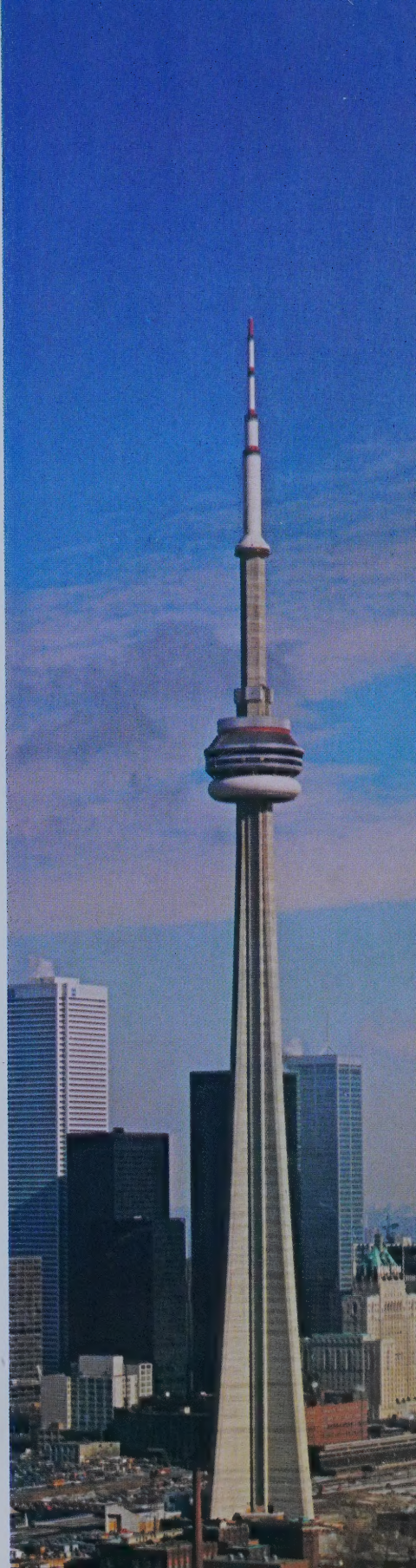


**AR80**

# **ANNUAL REPORT 1975**

**Canadian Foundation Company Ltd.**



## Canadian Foundation Company Ltd.

Head Office: 1 Yonge Street

Toronto, Canada M5E 1E8

### Board of Directors

\* H. F. Gautrin, P. Eng.

\* C. P. Baker

G. H. Bigelow, C.A.

C. W. Brazier, Q.C.

The Hon. L. Langlois, Q.C.

\* R. I. Martin, Q.C.

H. D. Roberts, M.D., C.M.

J. R. Rousseau, P. Eng.

\* J. M. Tremblay, C.A.

F. C. Wallace, D.S.O., M.C.

D. H. Ward

\* *Members of Executive Committee*

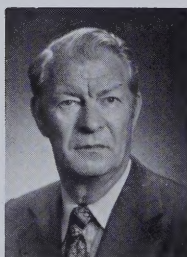
### Officers



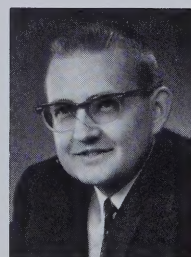
F. G. Rutley,  
*Honourary Chairman  
of the Board*



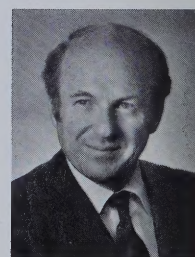
C. P. Baker,  
*Chairman  
of the Board*



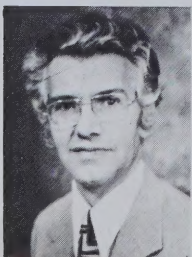
H. F. Gautrin, P. Eng.,  
*President and Chairman  
of the Executive  
Committee*



G. H. Bigelow,  
*Vice-President,  
Administration and  
Treasurer*



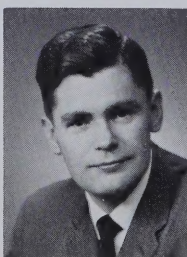
P. G. Opler, P. Eng.,  
*Vice-President*



J. R. Rousseau, P. Eng.,  
*Vice-President*

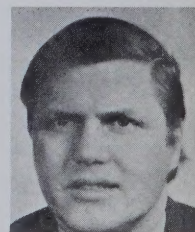


J. M. Rousseau, LL. L.,  
*Secretary*



K. H. Jacoby,  
*Assistant Secretary*

The Foundation Company of Canada Limited



D. D. Brown,  
P. Eng., M.B.A.,  
*Vice-President and  
Chief General Manager  
Construction*



## Directors' Report to the Shareholders

On behalf of the Board of Directors and the management of Canadian Foundation Company Ltd., we hereby submit this consolidated financial report of the operations of the Company for the year ended December 31, 1975. The following comments on the achievements of your Company, if not altogether reflected in the results, are nonetheless important for the economy of Canada and quite noticeable on the skyline of several of our major cities.

During 1975 the volume of work carried out by your Company has reached \$134,000,000. as compared to \$131,000,000. in 1974 and \$112,000,000. in 1973.

When considering that on management contracts our fees only are accounted for and reflected in the aforementioned volume, the total of work undertaken by your Company is in fact more than \$175,000,000. and indicates the intense activity maintained by management during the course of 1975.

This year was marked by a number of important events in the history of the Company. As a matter of fact after several years of efforts to perform as an integrated group, supplying a combination of engineering and construction services—as is the practice in various other countries—we have reluctantly come to recognize that the majority of our Canadian clients did not readily accept this solution. Engineering and construction remain widely separated activities and some of the projects under the turnkey concept proved financially speaking very unrewarding.

We have therefore sold our interest in the engineering operations, FENCO and GEOCON to a group specializing in this activity. We will nevertheless continue to work in close cooperation with the aforementioned two companies whenever the opportunity arises.

For similar considerations and to devote ourselves principally to construction, we have also decided to reduce our activities in sales and rentals of construction equipment. Quite frequently we found ourselves financing the activities of many small contractors whose affairs influenced their ability to meet their commitments with regard to payment of equipment.

Last year we expressed our apprehension with regard to our economy's reactions to the anti-inflationary measures. Although we have not felt the effect of these measures in the volume of work carried out in 1975, we are now affected in our backlog of work on hand. It should be noted that the percentage of overseas work included in backlog is increasing. In future it is towards these overseas markets that we must look if we want to maintain our level of activity in spite of all the problems this entails. Consequently, we will increase our contacts with international organizations.

An important part of our strength is our management personnel. Allowing for some top-echelon changes brought about in consideration of health conditions of two of our vice-presidents, our management group has remained faithful to the Company through the years.

Briefly reviewing the main achievements and events of the past year we find in the construction divisions of THE FOUNDATION COMPANY OF CANADA LIMITED: in BRITISH COLUMBIA, the completion of the C.B.C. Regional Broadcasting Centre in Vancouver and the Skeena River Bridge at Terrace, and the start of Harbour Centre and Vancouver Square, two large buildings in downtown Vancouver scheduled for completion in 1976.

In ALBERTA, the Calgary Mail Processing Plant was completed. At the new Calgary air terminal, where we work in joint venture with other contractors, the substructure was finished and work is continuing on the superstructure.

In MANITOBA, after the first full year of operation, Foundation

reported among others, the completion of the Clubhouse at the Elmhurst Golf and Country Club and the Bluebird Lodge, an elderly persons' residence for the Manitoba Housing and Renewal Corporation.

In TORONTO, a spectacular topping-off ceremony, organized jointly with Cannon, marked the end of the structural work on the CN Tower. During the summer, structural work at the Toronto Eaton Centre was completed but work continues on the site for completion of Phase 1 at the beginning of 1977. In OTTAWA the Pathology Laboratory for the Department of Agriculture was completed, work continued at the Research Centre for the National Health and Welfare Department.

In MONTREAL the new Simpsons-Sears Fashion and Distribution Premises undertaken in joint venture with Janin was substantially completed.

In the MARITIME PROVINCES, Foundation carried out a number of maintenance assignments at various harbours in Nova Scotia; the Wharf and Warehouse Facility at Dalhousie for Public Works Canada was commissioned, and in Halifax an impressive ceremony took place to officially open the new RCMP Headquarters. We continue to work at the Dartmouth General Hospital.

In NEWFOUNDLAND, Foundation completed work at the North Star Cement Company's Bulk Cement Loading Wharf and also in Corner Brook, completed the addition to the Transit Shed for the Department of Public Works.

A.D. ROSS & COMPANY LIMITED was very active. In EASTERN CANADA electrical and mechanical installations were completed at the Churchill Falls powerhouse, in the administrative building and in the town site of Churchill Falls. Mechanical and piping assignments were started at the Coleson Cove Generating Station, near Saint John, N.B., the largest facility of this type east of Ontario. In the MONTREAL area, A.D. Ross supplied services at the Simpsons-Sears project already mentioned, and at the new Mirabel international airport. Electrical installations were completed at the residential complex of Place Radisson in Hull.

In WESTERN CANADA, A.D. Ross continued very diversified activities. Many projects consisted of extensions or improvement work to existing installations. For example: Dal Grauer substation in Vancouver, installation of a complete computer automation system at the Dow Chemical plant in Fort Saskatchewan, upgrading of systems at the Strathcona Refinery in Edmonton and to name but a few of our other clients: Syncrude Canada Ltd., Texaco Canada Ltd., Chevron Standard Canada Ltd., Gulf Oil Canada Ltd.

In the Fall of 1975, A.D. Ross & Company were awarded a contract by the Canada-France-Hawaii Telescope corporation for the installation of all building services, mechanical, plumbing, electrical, heating and ventilating for the complete telescope building. The telescope building is being erected on the summit of Mount Mauna Keo in the Hawaiian Islands, to be completed at the end of 1976.

FOUNDATION CONSTRUCTION SERVICES has been working jointly with the Engineering Construction Division of Foundation Company of Canada Limited to develop its activity of technical assistance in Algeria, and to manage the Company's participation in the Majes irrigation project in Peru.

Based on the Company's expertise in the construction of nuclear installations, we are participating in the construction of the 600 MW nuclear generating station at Point Lepreau in New Brunswick. As Managing Partner of NUCLEAR CONSTRUCTION MANAGERS, a joint venture with Canatom, we will shortly start the Wolsung-1 Nuclear Power Plant in South Korea.

## Other Activities

As mentioned the residential complex in Hull: Place Radisson was completed and leasing is in progress. At Mackenzie Place, rental activities are basically dormant pending start of construction of the Mackenzie River Valley Pipeline expected to create a major demand for this type of accommodation.

Our past efforts with Y&R for the development of the Halifax Waterfront have resulted in the creation of a governmental commission responsible for this work. We are participating with ITTC to promote the realization of a "North American Gateway Concept" at the port of Halifax. The response to our efforts to date is promising.

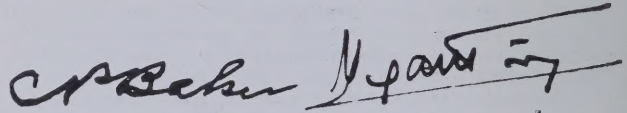
In Western Canada, our participation in Northcan, in Energy Systems and in Foundation-Cryogenic is directed at the development of transporting fuels or materials by pipeline, and petro-chemical plants and other resource development projects. These activities are affected by the delay in physically starting these projects as well as by the currently reduced investment in arctic exploration.

## Employees

We thank our employees and management staff for their efforts in 1975 and their continued loyalty.

The Board of Directors expresses its gratitude to all those—workers, management, employees, sub contractors, financial institutions—who have helped to maintain Foundation's position in the industry.

On behalf of the Board:



Chairman of the Board

President and Chief  
Executive Officer

**Price  
Waterhouse & Co.**  
CHARTERED ACCOUNTANTS

Box 51 Toronto-Dominion Centre  
Toronto, Ont. M5K 1G1  
(416) 863-1133 Telex 02-2246

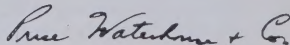
June 2, 1976

## AUDITORS' REPORT

To the Shareholders of  
Canadian Foundation Company Ltd.:

We have examined the consolidated balance sheet of Canadian Foundation Company Ltd. and its subsidiaries as at December 31, 1975 and the consolidated statements of income and retained earnings and changes in financial position for the year then ended. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion, subject to the satisfactory outcome of litigation in progress as described in Note 8 and to the realization of the book values of the properties mentioned in Note 3, these consolidated financial statements present fairly the financial position of the companies as at December 31, 1975 and the results of their operations and the changes in their financial position for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.



Chartered Accountants



**Canadian Foundation Company Ltd.  
and Subsidiary Companies**

**Consolidated Financial Statement**

**December 31, 1975**

# Consolidated Balance Sheet—December 31, 1975

## ASSETS

	December 31	
	1975	1974
<b>Current Assets</b>		
Cash at bank and on hand .....	\$ 661,000	\$ 70,000
Government bonds at cost (market value \$110,000; 1974—\$108,000) including \$70,000 deposited as security on contracts and tax appeals .....	111,000	111,000
Trade accounts receivable .....	26,375,000	25,606,000
Income taxes recoverable .....	528,000	535,000
Investment in joint ventures, net (Note 2) .....	1,611,000	434,000
Contract costs less progress billings .....	6,425,000	11,304,000
Properties constructed held for sale (Note 3) .....	7,505,000	7,280,000
Construction equipment (Note 1.d) .....	5,747,000	8,118,000
Prepaid expenses and other assets .....	184,000	360,000
	<u>49,147,000</u>	<u>53,818,000</u>
<b>Mortgages and notes receivable, at cost less current portion</b> .....	<b>41,000</b>	<b>168,000</b>
<b>Investments and advances in incorporated joint ventures, at cost</b> .....	<b>80,000</b>	<b>121,000</b>
<b>Fixed Assets, at cost:</b>		
Land .....	124,000	161,000
Buildings and improvements .....	559,000	683,000
Furniture and fixtures .....	543,000	1,124,000
Other equipment .....	352,000	772,000
	<u>1,578,000</u>	<u>2,740,000</u>
Accumulated depreciation .....	800,000	1,468,000
	<u>778,000</u>	<u>1,272,000</u>
Leasehold improvements, at cost less amortization \$49,000 (1974—\$114,000) .....	276,000	261,000
	<u>1,054,000</u>	<u>1,533,000</u>
<b>Unamortized debenture discount</b> .....	<b>4,000</b>	<b>7,000</b>
	<u><u>\$50,326,000</u></u>	<u><u>\$55,647,000</u></u>

# Canadian Foundation Company Ltd. and Subsidiary Companies

## LIABILITIES

	December 31	
	1975	1974
<b>Current Liabilities</b>		
Bank advances ( <i>Note 4</i> ) .....	\$ 6,466,000	\$10,419,000
Accounts payable and accrued liabilities .....	24,766,000	24,940,000
Notes payable for equipment purchases, secured .....	2,974,000	4,435,000
Instalments on long-term obligations due within one year .....	406,000	405,000
Progress billings on contracts, less costs .....	3,737,000	3,440,000
Dividend payable .....	46,000	46,000
Income taxes payable .....	63,000	181,000
Deferred income taxes ( <i>Note 5</i> ) .....	929,000	537,000
	<b>39,387,000</b>	<b>44,403,000</b>
<b>Long-Term Obligations (<i>Note 6</i>)</b> .....	<b>659,000</b>	<b>1,067,000</b>
<b>Minority Interests</b> .....	<b>29,000</b>	<b>—</b>
<b>Shareholders' Equity</b>		
Capital stock ( <i>Note 7</i> ) —		
Preferred shares—		
Authorized—855,626 <sup>3</sup> / <sub>4</sub> shares par value \$20		
each, issuable in series, of which 165,626 <sup>3</sup> / <sub>4</sub> shares		
have been designated 6 percent cumulative		
redeemable preferred shares Series A		
Issued—152,824 <sup>3</sup> / <sub>4</sub> Series A shares .....	3,057,000	3,057,000
Common shares—		
Authorized—2,500,000 shares without nominal		
or par value		
Issued—1,199,616 shares .....	6,092,000	6,092,000
Retained earnings .....	1,102,000	1,028,000
	<b>10,251,000</b>	<b>10,177,000</b>

Approved by the board:

H. F. Gautrin, Director

C. P. Baker, Director

**\$50,326,000**

**\$55,647,000**



# Consolidated Statement of Income and Retained Earnings

	Year ended December 31 1975	Year ended December 31 1974
Gross operating revenue .....	<u>\$134,353,000</u>	<u>\$131,268,000</u>
Operating profit for the year before taking into account the following items .....	2,499,000	2,508,000
Income from investments .....	<u>19,000</u>	<u>150,000</u>
	2,518,000	2,658,000
Deduct:		
Depreciation and leasehold amortization .....	210,000	244,000
Amortization of rental and other equipment .....	691,000	745,000
Interest and discount on long-term obligations .....	83,000	109,000
Other interest expense .....	<u>1,580,000</u>	<u>1,656,000</u>
	2,564,000	2,754,000
Loss before income taxes and extraordinary items .....	(46,000)	(96,000)
Estimated income taxes provided (Note 5) .....	<u>62,000</u>	<u>258,000</u>
Loss before extraordinary items .....	(108,000)	(354,000)
Extraordinary items net of applicable income taxes (Note 9) .....	311,000	—
Income tax recovery from timing differences and loss carry-forwards not recorded in prior years .....	54,000	76,000
	<u>365,000</u>	<u>76,000</u>
Net income (loss) for the year .....	257,000	(278,000)
Retained earnings at beginning of year .....	1,028,000	1,489,000
	<u>1,285,000</u>	<u>1,211,000</u>
Deduct:		
Dividends on preferred shares (Note 7) .....	183,000	183,000
Retained earnings at end of year .....	<u>\$ 1,102,000</u>	<u>\$ 1,028,000</u>



# Consolidated Statement of Changes in Financial Position

	Year ended December 31 1975	Year ended December 31 1974
<b>Financial resources were provided by:</b>		
Operations—		
Net loss before extraordinary items .....	\$ (108,000)	\$ (354,000)
Add: Items not affecting working capital—		
Depreciation and leasehold amortization .....	210,000	244,000
Amortization of debenture discount .....	3,000	2,000
	105,000	(108,000)
Extraordinary items .....	365,000	76,000
Reduction of investment and advances in incorporated joint ventures .....	41,000	—
Reduction of mortgages and notes receivable .....	127,000	80,000
Disposals of fixed assets .....	636,000	10,000
Minority interests .....	29,000	—
	1,303,000	58,000
<b>Financial resources were used for:</b>		
Reduction in long-term debt .....	408,000	408,000
Preferred dividends .....	183,000	183,000
Additions to fixed assets .....	367,000	547,000
Investments and advances in incorporated joint ventures .....	—	88,000
	958,000	1,226,000
Increase (decrease) in working capital .....	345,000	(1,168,000)
Working capital at beginning of year .....	9,415,000	10,583,000
Working capital at end of year .....	\$ 9,760,000	\$ 9,415,000
<b>Working capital at end of year is represented by:</b>		
Current assets .....	\$49,147,000	\$53,818,000
Less: Current liabilities .....	39,387,000	44,403,000
	\$ 9,760,000	\$ 9,415,000

## Notes to Consolidated Financial Statements—December 31, 1975

### 1. Accounting policies:

#### (a) Basis of consolidation—

The accompanying financial statements include the accounts of Canadian Foundation Company Ltd. and all its subsidiary companies.

A foreign subsidiary had a fiscal year ended October 31, 1975 and its accounts are included as of that date and have been translated into Canadian dollars at the appropriate rates of exchange.

#### (b) Recording of contract profits—

Profits on cost plus fee work are recorded on the basis of the fee billing terms of the contracts while the percentage-of-completion method of accounting is used for recording profit on other contracts. Losses are provided for in full on all contracts as soon as they become evident.

The Group follows the policy of taking into account expected recovery on outstanding claims when recording contract results. The amount is determined after considering the particular circumstances of the contract and is based on the experience of the Group with claims over a long period of years.

#### (c) Recording of unincorporated joint ventures—

The Group records its proportionate share of the joint ventures' costs, revenue and profits together with any advances to or from the joint ventures. Profits from these joint ventures are recorded on the same bases as outlined in (b) above.

#### (d) Construction equipment—

Construction equipment comprises equipment, tools and supplies for sale, rental and/or use in the Group's construction activities. The basis of valuation of the equipment is the lower of cost or market value. The cost of equipment out on rental is amortized based on a percentage of rental income.

#### (e) Fixed assets—

Fixed assets are stated at cost. Expenditures on major replacements, extensions and improvements are

capitalized while the costs of maintenance, repairs, renewals or replacements other than those of a major nature are charged to expense as incurred. Depreciation is provided on the diminishing balance method applying rates which will reduce the original cost to the estimated residual value over the useful lives of the assets.

### 2. Investments in joint ventures (net):

Included in these investments is an investment of \$324,000 (1974 — \$298,000) in the Foundation Cryogenic joint venture. This joint venture has developed a process for the transportation of liquefied gas and ancillary products by pipe line and is at present completing a series of feasibility tests before proceeding to offer the process to the gas industry. This joint venture has received \$713,000 to December 31, 1975 in assistance from the Federal Government under the P.A.I.T. and I.R.D.I.A. programs.

### 3. Properties constructed held for sale:

Both of the undernoted properties were acquired during the course of construction when the owners were unable to meet their obligations under the contracts.

Construction on one of the properties, Mackenzie Plaza in Hay River, Northwest Territories, was essentially completed in early 1975 and the Company has been operating the apartment building since that time while endeavouring to arrange its sale. The property has been included in the consolidated balance sheet at its cost of \$3,743,000 less depreciation and amortization of \$41,000, and operations have been charged with the net operating costs for 1975 of \$327,000. It is estimated by management that no loss will be incurred on the disposal of this property on the assumption that substantial construction projects will be undertaken in the Mackenzie Valley area on natural resource and attendant pipe line developments in the near future. Should such construction not materialize, appraisals indicate a value of approximately \$3,000,000.

Construction on the other property, Place Radisson in Hull, Quebec, was substantially complete at December



31, 1975 although a number of the apartment units were rented during 1975. All costs, including net operating costs to December 31, 1975, are included in the total costs of \$15,572,000 appearing below. The Company is operating the apartment complex while endeavouring to arrange its sale. It is estimated by management that no loss will be incurred on the disposal of this apartment complex.

The book value of the properties mentioned above is as follows:

	December 31	
	1975	1974
Cost—		
Land .....	\$ 742,000	\$ 712,000
Buildings .....	18,305,000	14,001,000
Furniture and equipment .....	268,000	50,000
	<b>19,315,000</b>	14,763,000
Accumulated depreciation and amortization .....	<b>41,000</b>	—
	<b>19,274,000</b>	14,763,000
Less mortgage debt—		
9% first mortgage on land and building payable in equal monthly instalments of approximately \$18,000 including interest, maturing in 2009. Repayments commenced in July 1975 .....	<b>2,220,000</b>	1,883,000
10% second mortgage on land and building repayable in increasing annual instalments over the next three years .....	<b>356,000</b>	450,000
10% first mortgage on land and buildings repayable in 60 equal monthly instalments of \$92,000 including interest, with the balance payable on the 60th instalment. The total amount of the mortgage is expected to be approximately \$10,889,000 of which approximately \$1,633,000 will not be advanced until completion of the buildings and the statutory period for registration of Mechanic Liens has expired. Repayments will commence after receipt of the final advance .....	<b>9,193,000</b>	5,150,000
	<b>11,769,000</b>	7,483,000
	<b>\$ 7,505,000</b>	<b>\$ 7,280,000</b>

Interest of \$1,756,000 (1974 — \$880,000) has been included in the costs to December 31, 1975.

#### 4. Security for bank advances:

The Company, and its principal subsidiaries, have issued to its bankers demand debentures as collateral security for bank advances. The debentures represent a first fixed and specific mortgage and charge on all fixed assets of the Companies not otherwise pledged under existing bonds or mortgages and a floating charge on all other assets.

#### 5. Income taxes:

The Group uses the tax allocation method of accounting for income taxes. However, for certain subsidiaries, potential tax recoveries of approximately \$188,000 for losses and other timing differences have not been recorded for the year ended December 31, 1975. The cumulative amount of such unrecorded potential tax recoveries at December 31, 1975 is \$776,000.

The deferred income tax liability is classified as a current liability as it relates to the net of items classified as current assets and current liabilities. The net effect of timing differences during the year relating to recorded deferred income taxes was to increase the deferred tax liability by \$392,000.

#### 6. Long-term obligations:

Long-term obligations are as follows:

	1975	December 31 1974
4 $\frac{1}{2}$ % sinking fund debentures, Series "A" maturing 1976 .....	\$ 200,000	\$ 400,000
6 $\frac{3}{4}$ % sinking fund debentures, Series "B" maturing 1979, with annual sinking fund instalments of \$200,000 each due December, 1976 to 1978 (\$2,000 of the De- cember, 1976 requirement was satisfied in 1975) ...	798,000	997,000
7% first mortgage on land and buildings repayable in 96 equal instalments .....	67,000	75,000
	<u>1,065,000</u>	<u>1,472,000</u>
Deduct: Instalments due within one year included in current liabilities .....	406,000	405,000
Total non-current portion outstanding .....	<u>\$ 659,000</u>	<u>\$1,067,000</u>



## 7. Dividend arrears and restrictions:

- (a) During the year ended December 31, 1975 the Company declared preferred dividends in the amount of \$183,000. At December 31, 1975 preferred dividends are in arrears by \$183,000 (1974 — \$183,000).
- (b) Section 122 of the Canada Corporations Act requires disclosure that the conditions attaching to the preferred shares contain a restriction concerning the payment of dividends on common shares based on the amount of consolidated net tangible assets. The financial position of the Company is such that this restriction is not applicable at this time. In addition, the debenture referred to in Note 4 contains a provision that the Company may not, without consent of the debenture holder, pay any dividend on its capital stock.

## 8. Contingent liabilities and law suits:

- (a) At December 31, 1975 there were possible and undetermined liabilities resulting from litigation in progress, particularly:

An original judgment in favour of Cargill Grain Company Limited against various defendants including a subsidiary which was reduced by 50% by the Quebec Court of Appeal in a 1974 judgment to \$768,500. This latter judgment is being appealed to the Supreme Court of Canada. The amount of the judgment attributable to the subsidiary has still to be determined. The subsidiary will now pursue its claim against Cargill for amounts owing. The subsidiary does not expect that a material adjustment will be required to its accounts resulting from the final determination of these matters.

The subsidiary's claims against the City of Montreal for construction contracts of prior years are presently before the Courts. A judgment, which has been appealed by the subsidiary, was received in early 1976 on one of four claims and, based on this judgment, the subsidiary is satisfied

that the net amount recorded in the accounts for these claims is reasonable.

- (b) A subsidiary's claim for payment of accounts due from Parsons and Whittemore Pulp Mills Inc. has been resolved in the Supreme Court of Canada in November, 1975 in favour of the subsidiary, and cash approximating the net amount recorded in the books of the subsidiary was received. Early in 1976 a further judgment was awarded in favour of the subsidiary increasing the rate of interest awarded in earlier judgments and as a result, an estimate of the additional amount of interest awarded has been included in these consolidated financial statements.

## 9. Extraordinary items net of applicable income taxes:

Profit, net of applicable deferred income taxes of \$736,000, on sale of the assets and business of two wholly owned subsidiaries, Foundation of Canada Engineering Corporation Limited and Geocon Ltd. as at August 31, 1975 . . . . \$693,000

Estimated loss, net of applicable income tax effect of \$318,000, on disposal of the construction equipment operation in Canada and partial disposal of a similar operation in the United States. . . . . (382,000)  
\$311,000

The operating results of the two above-mentioned subsidiaries to date of sale on August 31, 1975 are included in the loss before extraordinary items.

Subsequent to December 31, 1975 the Group proceeded to liquidate its construction equipment activities in Canada and to partially dispose of a similar operation in the United States. The charge above represents an estimate of the loss to be incurred on disposal of these operations.

#### 10. Per share results:

The net income (loss) per common share is as follows:

	Year ended December 31	
	1975	1974
Loss before extraordinary items .....	\$(.24)	\$(.45)
Net income (loss) for the year .....	.06	(.38)

The preferred dividends have been taken into account in calculating the above amounts per common share.

#### 11. Remuneration of directors and officers:

	Year ended December 31	
	1975	1974
Number of directors .....	12	11
Number of officers .....	8	8
Number of officers who were also directors .....	4	3
Remuneration of directors as directors—		
By subsidiaries .....	\$ 30,000	\$ 29,000
Remuneration of officers as officers—		
By subsidiaries .....	\$321,000	\$183,000

The number and remuneration of directors includes 1 past director who resigned during the year.

#### 12. Anti-Inflation Program

The Company and its operating subsidiary companies are subject to controls on prices, profits, compensation and dividends instituted by the Federal Government in the Anti-Inflation Act effective October 14, 1975. At this time there are a number of general uncertainties concerning implementation of the program so that the impact on the companies' future operations cannot be accurately determined. However, the legislation is not expected to have any effect on the results reported in these consolidated financial statements.







## 10. Résultats par action:

Le bénéfice net (perte) par action ordinaire se répartit comme suit:

Perte avant postes extraordinaires .....	
Bénéfice net (perte) de l'exercice .....	
Les dividendes sur les actions privilégiées ont été pris en considération dans le calcul des résultats par action ci-dessus.	

## 11. Rémunération des administrateurs et membres de la direction:

1975	1974
\$(.24)	\$(.45)
.06	(.38)

Exercice clos le 31 décembre

Nombre d'administrateurs .....	12	11
Nombre de membres de la direction .....	8	8
également administrateurs .....	4	3
Rémunération des administrateurs à ce titre- — par des filiales .....	\$ 30,000	\$ 29,000
Rémunération des membres de la direction à ce titre- — par des filiales .....	\$321,000	\$183,000

Ces chiffres font état d'un ancien administrateur qui a démissionné en cours d'exercice.

## 12. Programme anti-inflation:

La Compagnie et ses filiales d'exploitation sont assujetties aux contrôles sur les prix, les bénéfices, les rémunérations et les dividendes, institués par le gouvernement fédéral, aux termes de la Loi anti-inflation adoptée au 14 octobre 1975. L'application de ce programme fait encore l'objet de diverses incertitudes d'ordre général; aussi n'est-il pas possible, à l'heure actuelle, de déterminer avec précision quelles seront ses répercussions sur les activités de la Compagnie. Cependant, cette loi ne devrait pas avoir d'effets sur les résultats indiqués dans ces états financiers consolidés.

**7. Arrérages et restrictions sur dividendes:**

- (a) Au cours de l'exercice clos le 31 décembre 1975, la Compagnie a déclaré un dividende de \$183,000 sur actions privilégiées. Au 31 décembre 1975, les arrérages de dividendes sur les actions privilégiées s'établissent à \$183,000 (1974 — \$183,000).
- (b) L'article 122 de la Loi sur les corporations canadiennes exige que l'on fasse mention que les conditions relatives aux actions privilégiées comprennent une restriction concernant le paiement de dividendes sur les actions ordinaires, basée sur le montant de l'actif corporel net consolidé. La situation financière de la Compagnie est telle qu'à l'heure actuelle cette restriction ne s'applique pas. De plus, la débenture signalée à la note 4 contient une restriction selon laquelle la Compagnie ne peut pas, sans le consentement du détenteur de la débenture, payer un dividende sur son capital-actions.

**8. Passif éventuel:**

- (a) Au 31 décembre 1975, il existait un passif possible et indéterminé résultant de litiges en instance, notamment:

Un jugement antérieur en faveur de Cargill Grain Company Limited contre de nombreux débiteurs, dont une filiale, qui a été réduit de 50%, soit à un montant de \$768,500, par la Cour d'Appel du Québec en 1974. Il est fait appel de ce dernier jugement devant la Cour Suprême du Canada. Le montant du jugement attribuable à la filiale reste encore à déterminer. Celle-ci fera maintenant valoir sa réclamation envers Cargill pour les montants dus. La filiale ne s'attend pas à ce que la décision finale sur ce litige l'oblige à un rajustement important de ses comptes.

La filiale a déposé des plaintes devant les tribunaux à l'encontre de la Ville de Montréal pour des contrats de construction d'exercices antérieurs. Un jugement a été rendu au début de 1976 sur l'une des quatre plaintes, et la filiale en a fait appel. D'après ce jugement, la filiale estime raisonnable le montant net comptabilisé concernant ces plaintes.

- (b) Une demande de règlements de soldes échus présentée par une filiale contre Parsons and Wittemore Pulpmills Inc. a été jugée par la Cour Suprême du Canada en novembre 1975 en faveur de la filiale et celle-ci a reçu un versement comptant approximativement égal au montant net comptabilisé. Au début de 1976, un autre jugement a été rendu en faveur de la filiale, augmentant le taux d'intérêt accordé par des jugements antérieurs; un montant estimatif correspondant à ce supplément figure dans les états financiers consolidés.

**9. Postes extraordinaires, net d'impôts sur le revenu:**

Profit, net de \$736,000 d'impôts sur le revenu reportés, sur vente des biens et fonds de commerce de deux filiales en toute propriété, Foundation of Canada Engineering Corporation Limited et Geoccon Limited, au 31 août 1975 .....	\$693,000
Perte estimative, nette de \$318,000, d'incidences fiscales afférentes, sur la cession d'exploitation de matériel de construction au Canada et sur la cession partielle d'exploitation similaire aux États-Unis .....	(382,000)
	<u>\$311,000</u>

Les résultats d'exploitation des deux filiales mentionnées ci-dessus jusqu'au moment de la vente, le 31 août 1975, figurent dans la perte avant postes extraordinaires.

Après le 31 décembre 1975, le Groupe a entrepris de liquider ses exploitations de matériel de construction au Canada et de le faire également, en partie seulement, aux États-Unis. La perte ci-dessus est estimative des pertes qui seront enregistrées sur ces cessions.



**4. Garantie des avances bancaires:**

Pour garantir les avances bancaires, la Compagnie et ses principales filiales ont donné à leurs banquiers des débiteures à ordre comportant une hypothèque fixe, spécifique et de premier rang, sur toutes leurs immobilisations non déjà données en garantie des obligations et hypothèques existantes, et une affectation générale de tous leurs autres biens.

**5. Impôts sur le revenu:**

Pour la comptabilisation de ses impôts sur le revenu, le Groupe utilise la méthode de la répartition des impôts. Néanmoins, pour certaines filiales, le montant d'impôts d'environ \$188,000 qui pourra éventuellement être recouvré sur des pertes ou autres décalages dans le temps, n'a pas été comptabilisé pour l'exercice clos le 31 décembre 1975. Le montant cumulé de ces remboursements éventuels non comptabilisés s'établit à \$776,000, au 31 décembre 1975.

Les impôts sur le revenu reportés sont classés au passif à court terme parce qu'ils découlent de la valeur nette de postes classés à l'actif à court terme et au passif à court terme. Les décalages dans le temps à l'origine de la comptabilisation des impôts sur le revenu reportés au cours de l'exercice, ont eu pour résultat global d'augmenter le passif pour impôts reportés de \$392,000.

**6. Obligations à long terme:**

Les obligations à long terme se détaillent comme suit:

Débiteures 4 1/2% à fonds d'amortissement, série "A", échéant en 1976 .....  
Débiteures 6 3/4% à fonds d'amortissement, série "B", échéant en 1979, avec versements annuels au fonds d'amortissement de \$200,000 de décembre 1976 à 1978 (\$2,000 pour décembre 1976 ont été payés durant l'exercice 1975) .....  
Première hypothèque à 7% sur terrains et bâtiments remboursable en 96 versements égaux .....  
A déduire: versements échéant à moins d'un an, compris dans le passif à court terme .....  
Solde total à plus d'un an, en cours .....

	1975	31 décembre 1974
	\$ 200,000	\$ 400,000
798,000		997,000
67,000		75,000
1,065,000		1,472,000
406,000		405,000
\$ 659,000		\$1,067,000

A l'autre propriété, la Place Radisson de Hull, au Québec, les travaux de construction étaient en grande partie achevés au 31 décembre 1975 et un certain nombre d'appartements ont été loués en 1975. Toutes les dépenses, y compris le coût net d'exploitation au 31 décembre 1975, sont incluses dans les dépenses totales de \$15,572,000 qui paraissent ci-après. La Compagnie exploite le complexe résidentiel tout en s'efforçant de le vendre. La direction considère que la cession du complexe n'entraînera aucune perte.

La valeur comptable des propriétés dont il est question ci-dessus se détaille comme suit:

	1975	1974
<b>Coût—</b>		
Terrains .....	\$ 742,000	\$ 712,000
Bâtiments .....	18,305,000	14,001,000
Mobilier et équipement .....	268,000	50,000
	<u>19,315,000</u>	<u>14,763,000</u>
Amortissements accumulés .....	41,000	—
	<u>19,274,000</u>	<u>14,763,000</u>
Moins dette hypothécaire—		
Prêt hypothécaire, de premier rang, à 9%, sur terrains et bâtiments, remboursable par mensualités égales d'environ \$18,000 y compris l'intérêt, échéant en 2009. Les remboursements commenceront en juillet 1975 .....	2,220,000	1,883,000
Prêt hypothécaire, de deuxième rang, à 10%, sur terrains et bâtiments, remboursable par annuités croissantes au cours des 3 prochaines années .....	356,000	450,000
	<u>9,193,000</u>	<u>5,150,000</u>
	<u>11,769,000</u>	<u>7,483,000</u>
	<u>\$ 7,505,000</u>	<u>\$ 7,280,000</u>

\$1,756,000 d'intérêts (1974 — \$880,000) sont inclus dans les coûts au 31 décembre 1975.

1. Méthodes comptables:

(a) Base de consolidation— Les états financiers consolidés ci-joints comprennent les comptes de Canadian Foundation Company Ltd. et toutes ses filiales. Le dernier exercice d'une filiale étrangère s'est terminé le 31 octobre 1975 et ce sont les comptes arrêtés à cette date qui ont été inclus dans les comptes consolidés; ils ont été convertis en dollars canadiens aux taux de change appropriés.

(b) Comptabilisation des profits sur contrats— Les bénéfices sur les travaux exécutés selon la méthode "frais plus honoraires" sont inscrits suivant les modalités des contrats quant à la facturation des honoraires; sur les autres contrats, les bénéfices sont comptabilisés selon la méthode du degré d'avancement des travaux. Quant aux pertes, elles sont comptabilisées en entier, pour tous les contrats, dès qu'elles apparaissent. Le Groupe a pour politique de comptabiliser les recouvrements anticipés sur les réclamations en cours au moment où il enregistre les résultats d'un contrat. La valeur des recouvrements anticipés est déterminée selon les circonstances pertinentes au contrat et elle est basée sur la longue expérience du Groupe en matière de réclamations.

(c) Comptabilisation des entreprises en participation non constituées en corporation— Le Groupe comptabilise sa quote-part dans les dépenses, les revenus et les bénéfices des entreprises en participation, ainsi que les avances consenties à ces entreprises ou reçues d'elles. Les bénéfices de ces entreprises en participation sont comptabilisés suivant les bases décrites à l'alinéa (b) ci-dessus.

(d) Equipement de construction— Le montant pour l'équipement de construction comprend l'équipement, outillage et fournitures pour vente, location et utilisation dans les activités de construction du Groupe. La base d'évaluation de l'équipement est le prix coûtant ou la valeur marchande, si elle est inférieure. Le coût de l'équipement loué est amorti selon un pourcentage des revenus de location.

(e) Immobilisations— Les immobilisations sont comptabilisées au coût d'acquisition. Les déboursés sur les remplacements majeurs, les extensions, et les améliorations sont capitalisés; les frais d'entretien, de réparation, de rénovation et de remplacement, de moindre importance, sont imputés aux dépenses au fur et à mesure. L'amortissement est calculé sur le solde dégressif à des taux qui permettent de réduire le coût d'origine à la valeur résiduelle estimative sur la durée utile des biens amortis.

2. Placements dans des entreprises en participation (net): Ce poste inclut un placement de \$324,000 (\$298,000 en 1974) dans Foundation Cryogenic, une entreprise en participation. Cette entreprise a mis au point un procédé pour le transport de gaz liquéfié et de matières associées par pipe-line et elle procède actuellement à des essais de faisabilité avant d'offrir ce procédé à l'industrie gazière. L'entreprise en participation avait reçu du gouvernement fédéral, au 31 décembre 1975, une aide se chiffrant à \$713,000 aux termes des programmes P.A.I.T. et I.R.D.I.A.

3. Construction destinées à être vendues:

Les deux propriétés mentionnées ci-dessous ont été acquises en cours de construction quand les propriétés se sont trouvées dans l'impossibilité de faire face à leurs obligations aux termes des contrats. L'une d'elles, la Mackenzie Plaza, de Hay River, dans les Territoires du Nord-Ouest, était pratiquement achevée au début de 1975, et la Compagnie exploitait depuis lors l'immeuble à appartements tout en s'efforçant d'en arranger la vente. La propriété a été portée au bilan consolidé à son coût d'acquisition de \$3,743,000 moins des amortissements de \$41,000, et les frais d'exploitation nets, de \$327,000 pour 1975, ont été imputés sur le résultat. La direction, estimant que d'importants projets de construction seront entrepris dans un proche avenir dans la région de la vallée du Mackenzie en vue de l'aménagement des ressources naturelles et de la construction de pipe-lines, prévoit que la cession de cette propriété n'entraînera aucune perte. Les expertises indiquent que si ces travaux ne se réalisent pas, la valeur approximative de la propriété est de \$3,000,000.



Provenance des ressources financières:

Exercice clos le	Exercice	Exercice clos le	Exercice
31 décembre 1975	31 décembre 1974	31 décembre 1975	31 décembre 1974
Exploitation —			
Perte nette avant postes extraordinaires .....			
Ajouter: postes n'affectant pas le fonds de roulement —			
Amortissement et amortissement des améliorations locatives ..	210,000	244,000	2,000
Amortissement de l'escompte sur débenture .....	3,000		
Postes extraordinaires .....	105,000	(108,000)	76,000
Réductions des placements et avances dans les entreprises en	365,000	41,000	—
participation constituées en corporation .....			
Réductions d'hypothèques et billets à recevoir .....	127,000	80,000	—
Cession d'immobilisations .....	636,000	10,000	—
Participations minoritaires .....	29,000	—	58,000
Affectation des ressources financières:			
Réduction de la dette à long terme .....	408,000	183,000	408,000
Dividendes sur actions privilégiées .....	183,000	183,000	183,000
Nouvelles immobilisations .....	367,000	547,000	88,000
Placements et avances dans des entreprises en	—	1,226,000	88,000
participation constituées en corporation .....			
Augmentation (diminution) du fonds de roulement .....	958,000	1,226,000	88,000
Fonds de roulement à l'ouverture .....	345,000	(1,168,000)	10,583,000
Fonds de roulement à la clôture .....	9,415,000	9,415,000	9,415,000
Composition du fonds de roulement à la clôture:			
Actif à court terme .....	\$49,147,000	\$53,818,000	\$53,818,000
Moins: passif à court terme .....	39,387,000	44,403,000	44,403,000
	\$ 9,760,000	\$ 9,415,000	\$ 9,415,000

Etat consolidé des bénéfices et des bénéfices non repartis

Exercice clos le 31 décembre	Exercice clos le 31 décembre
1975	1974
<b>\$134,353,000</b>	<b>\$131,268,000</b>
Revenu brut d'exploitation .....	Revenu brut d'exploitation .....
Bénéfice d'exploitation de l'exercice, avant les postes suivants .....	Bénéfice d'exploitation de l'exercice, avant les postes suivants .....
Revenu sur placements .....	Revenu sur placements .....
A déduire:	A déduire:
Amortissement et amortissement des améliorations locales .....	Amortissement et amortissement des améliorations locales .....
Amortissement des équipements de location et autres .....	Amortissement des équipements de location et autres .....
Intérêt et escompte sur les obligations à long terme .....	Intérêt et escompte sur les obligations à long terme .....
Autres intérêts .....	Autres intérêts .....
Perte avant impôts sur le revenu et postes extraordinaires .....	Perte avant impôts sur le revenu et postes extraordinaires .....
Provision pour impôts sur le revenu estimatifs (Note 5) .....	Provision pour impôts sur le revenu estimatifs (Note 5) .....
Perte avant postes extraordinaires .....	Perte avant postes extraordinaires .....
Postes extraordinaires, net d'impôts sur le revenu s'y rapportant (Note 9) .....	Postes extraordinaires, net d'impôts sur le revenu s'y rapportant (Note 9) .....
Recouvrement d'impôts sur le revenu consécutif à des décalages dans le temps et à des reports de pertes non comptabilisées au cours d'exercices antérieurs .....	Recouvrement d'impôts sur le revenu consécutif à des décalages dans le temps et à des reports de pertes non comptabilisées au cours d'exercices antérieurs .....
<b>54,000</b>	<b>76,000</b>
<b>365,000</b>	<b>76,000</b>
Bénéfice (perte) net de l'exercice .....	Bénéfice (perte) net de l'exercice .....
Bénéfices non repartis à l'ouverture .....	Bénéfices non repartis à l'ouverture .....
Déduire:	Déduire:
Dividendes sur actions privilégiées (Note 7) .....	Dividendes sur actions privilégiées (Note 7) .....
<b>\$ 1,102,000</b>	<b>\$ 1,028,000</b>
<b>\$ 1,102,000</b>	<b>\$ 1,028,000</b>

PASSIF

31 décembre		1974	
		1975	
<b>Passif à court terme:</b>			
Avances bancaires (Note 4)	\$ 6,466,000	\$10,419,000	
Comptes à payer et passif couru	24,766,000	24,940,000	
Billets payables pour l'achat d'équipements, garantis	2,974,000	4,435,000	
Versements échéant dans l'année sur la dette à long terme	406,000	405,000	
Montants facturés sur contrats, moins les frais d'exécution	3,737,000	3,440,000	
Dividende à payer	46,000	46,000	
Impôts sur le revenu à payer	63,000	181,000	
Impôts sur le revenu reportés (Note 5)	929,000	537,000	
	<b>39,387,000</b>	<b>44,403,000</b>	
Obligations à long terme (Note 6)	659,000	1,067,000	
Participations minoritaires	29,000	—	
<b>Avoir des actionnaires</b>			
Capital-actions (Note 7)	—	—	
Actions privilégiées	—	—	
Autorisées—855,626 <sup>3</sup> / <sub>4</sub> actions d'une valeur au			
pair de \$20 chacune, pouvant être émises en			
séries, dont 165,626 <sup>3</sup> / <sub>4</sub> actions ont été désignées			
actions privilégiées rachetables, à dividende			
cumulatif de 6 pour-cent de la série A			
Emises—152,824 <sup>3</sup> / <sub>4</sub> actions de la série A	3,057,000	3,057,000	
Actions ordinaires—			
Autorisées—2,500,000 actions sans valeur			
nominales ou au pair			
Emises—1,199,616 actions	6,092,000	6,092,000	
Bénéfices non répartis	1,102,000	1,028,000	
	<b>10,251,000</b>	<b>10,177,000</b>	
Approuvé par le conseil d'administration:			
H. F. Gauthier, administrateur			
C. P. Baker, administrateur			
	<b>\$50,326,000</b>	<b>\$55,647,000</b>	



# Bilan consolidé au 31 décembre 1975

## ACTIF

Actif à court terme:			
Dépôts bancaires et encaisse	661,000	\$	70,000
Obligations du Gouvernement au prix coûtant, (valeur marchande, \$110,000; 1974—\$108,000) y compris \$70,000 déposés en garantie de contrats et d'impôts en appel	111,000		111,000
Comptes-clients	26,375,000		25,606,000
Impôts sur le revenu à recouvrer	528,000		535,000
Placements dans des entreprises en participation, net (Note 2)	1,611,000		434,000
Frais d'exécution de contrats, moins montants facturés	6,425,000		11,304,000
Constructions complétées destinées à être vendues (Note 3)	7,505,000		7,280,000
Équipement de construction (Note 1.d)	5,747,000		8,118,000
Frais payés d'avance et autres avoirs	184,000		360,000
Hypothèques et billets à recevoir, au prix coûtant, moins la partie à moins d'un an	41,000		168,000
Placements et avances dans des entreprises en participation constituées en corporation, au coût	80,000		121,000
Immobilisations, au prix coûtant:			
Terrains	124,000		161,000
Bâtiments et améliorations	559,000		683,000
Mobilier et agencement	543,000		1,124,000
Autres équipements	352,000		772,000
Amortissement accumulé	1,578,000		2,740,000
	800,000		1,468,000
Améliorations locatives, au coût, moins amortissement	778,000		1,272,000
	276,000		261,000
	1,054,000		1,533,000
Escompte non amorti sur débentures	4,000		7,000
	\$50,326,000		\$55,647,000

31 décembre 1975  
1974

**Canadian Foundation Company Ltd.  
et Filiales**

**Etats Financiers Consolidés**

**au 31 décembre 1975**

abouti à la création d'une commission gouvernementale qui va dorénavant s'occuper de ces travaux. Enfin notre participation avec l'ITC pour le développement d'un "North American Gateway" à

Halifax semble prometteuse.

#### Participations

Dans l'ouest nos participations à Northercan, Energy Systems et Foundation-Cryogenic sont basées sur le développement du transport de fuel ou matériaux par pipelines, usines pétro-chimiques et autres projets de développement de ressources, et elles subissent le contre-coup du ralentissement de ces projets ainsi que des réductions d'investissement dans l'exploration de l'artique.

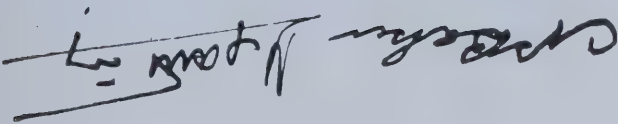
#### Employés

Les cadres et employés ont eu à nouveau une lourde tâche en 1975 et nous les remercions de leurs efforts.

Le Président du Conseil

Le Président et Chef  
de l'Exécutif

Au nom du Conseil:



Le Conseil d'Administration désire exprimer ici sa reconnaissance à tous ceux qui — ouvriers, employés, cadres, sous-traitants, organisations financières — nous ont aidé à maintenir bien haut le nom de

B.P. 51 Toronto Dominion Centre  
Toronto, Ont. M5K 1G1  
(416) 863 1133 Tél. 02 2246

**Price Waterhouse & Co.**  
COMPTABLES AGRÉÉS

Le 2 juin 1976

#### RAPPORT DES VÉRIFICATEURS

Aux Actionnaires de  
Canadian Foundation Company Ltd.:

Nous avons examiné le bilan consolidé de Canadian Foundation Company Ltd. et filiales au 31 décembre 1975, ainsi que l'état consolidé des bénéfices et des bénéfices non répartis et celui de l'évolution de la situation financière pour l'exercice clos à cette date. Notre examen a comporté une revue générale des procédés comptables et les sondages des livres et pièces comptables et autres preuves à l'appui que nous avons jugés nécessaires dans les circonstances.

A notre avis, sous réserve de l'issue satisfaisante des litiges en cours dont il est fait état à la Note 8, et de la cession des états financiers consolidés présentant fidèlement la situation financière des compagnies au 31 décembre 1975 ainsi que leurs résultats d'exploitation et l'évolution de leur situation financière pour l'exercice clos à cette date, conformément aux principes comptables généralement reconnus, appliqués de la même manière qu'au cours de l'exercice précédent.

*Price Waterhouse & Co.*  
Comptables agréés



## Rapport des Administrateurs aux Actionnaires

A WINNIPEG après une première année complète d'opération, on note parmi les réalisations, le Centre Social du Elmhurst Golf and Country Club et la maison de retraite Bluebird Lodge construite pour le compte de Manitoba Housing and Renewal Corporation.

A TORONTO une historique cérémonie organisée en association avec Canron marquait le couronnement de la Tour du CN. On terminait au cours de l'été les travaux de structure du Toronto Eaton Centre dont la construction sera achevée au début de 1977. A OT-TAWA la construction du Laboratoire de Pathologie-Institut de Recherches Vétérinaires était terminée et les travaux de l'important Centre de Recherches pour le Ministère de la Santé et de Bien-être Social continuaient leur développement.

De MONTREAL on rapportait la terminaison des travaux de structure du Centre de Modes et de Distribution Simpsons-Sears entrepris en association avec Janin.

Dans les PROVINCES MARITIMES de nombreux travaux d'entretien ont été terminés pour les ports de Nouvelle Ecosse et une cérémonie officielle d'ouverture marquait l'achèvement des nouveaux quartiers généraux de la Gendarmerie Royale du Canada à Halifax, tandis que se poursuivait la construction de l'Hôpital Général de Dartmouth. A TERRE NEUVE, les travaux du quai de chargement de la Compagnie North Star Cement à Corner Brook s'achevaient ainsi que l'agrandissement de l'entrepôt du Ministère des Travaux Publics.

Chez A.D. ROSS, en travaux industriels, dans l'est: diverses installations mécaniques et électriques ont été terminées à la centrale de Churchill Falls ainsi que dans les édifices administratifs et au centre domiciliaire. D'importants travaux de mécanique et de tuyauterie ont été entrepris à la centrale thermique de Coleston Cove près de Saint Jean au Nouveau Brunswick — la plus puissante à l'est de l'Ontario, et dans la région de Montréal. A.D. Ross a participé dans ses spécialités, aux projets de Simpsons-Sears déjà mentionnés et à l'aéroport de Mirabel. Les installations électriques ont également été terminées au complexe résidentiel de Place Radisson à Hull.

Dans l'ouest l'activité a continué d'être très diversifiée. Beaucoup de projets consistent en des travaux d'agrandissement d'installations déjà existantes, par exemple: station électrique Dal Groular dans la banlieue de Vancouver, système d'automatisation à l'usine Dow Chemical à Fort Saskatchewan, amélioration des systèmes de tuyauterie à la raffinerie Strathcona de Imperial Oil à Edmonton; et pour ne nommer que quelques uns des autres clients servis au cours de 1975: Syncrude Canada Ltd., Texaco Canada Ltd., Chevron Standard Canada Ltd. A.D. Ross obtenait à l'automne 1975 un contrat important à l'étranger en rapport avec la construction du télescope France-Canada-Hawaii, sur le mont Mauna Keo. A.D. Ross y fournira tous les services d'électricité, de mécanique, de plomberie, de chauffage et de ventilation de l'édifice abritant le télescope. Le projet sera complet à la fin de 1976.

Enfin, FOUNDATION CONSTRUCTION SERVICES travaillant conjointement avec la division Engineering Construction de Foundation Company of Canada Limited, a continué à développer l'activité d'assistance technique en Algérie, ainsi qu'à gérer la participation aux travaux du Pérou. Elle a concrétisé sa spécialité dans les travaux de construction nucléaire en participant à la construction du réacteur de 600 MW à Point Lepreau au Nouveau Brunswick et au projet de Wolsung-I en Corée du Sud, comme partenaire et gérant de l'association Nuclear Construction Managers, avec Canatom.

### Développement

Le développement domiciliaire de Place Radisson à Hull a été terminé; celui de Place Mackenzie est en veilleuse en attendant la mise en route du pipeline de la vallée du fleuve Mackenzie. Nos efforts avec Y&R pour le développement "Halifax Waterfront" ont

Au nom du Conseil d'Administration et des membres de la direction de Canadian Foundation Company Ltd., nous avons l'honneur de vous présenter le rapport financier consolidé des activités de la Compagnie au 31 décembre 1975, accompagné de quelques commentaires relatifs aux réalisations de notre entreprise qui, s'ils ne retiennent pas dans les chiffres, n'en sont pas moins importants dans l'économie du Canada et l'aspect de plusieurs de nos grandes villes.

Au cours de l'année 1975 le volume de travaux facturés par votre Compagnie a atteint \$134,000,000, ce qui se compare à \$131,000,000 en 1974 et \$112,000,000 en 1973.

Si on considère que les travaux en gérance ne sont comptabilisés que pour le montant de leurs honoraires, c'est un total de plus de \$175,000,000 qui a été en fait entrepris par votre Compagnie, ce qui dénote l'intense activité que les cadres ont soutenu durant l'année 1975.

Cette année a été marquée par un certain nombre d'événements importants dans la vie de la Compagnie; en effet après de longues années d'efforts pour créer un groupe complètement intégré de construction, fournissant à la fois l'ingénierie et les services de construction comme cela se pratique en plusieurs pays, nous avons dû nous rendre à l'évidence que le Canada n'était pas disposé en-core à adopter facilement cette solution... l'ingénierie et la construction restent des activités très séparées et les projets entrepris en "clés en mains" avaient été financièrement très peu rémunérateurs.

Nous avons ainsi cédé le 1er décembre 1975 nos intérêts dans l'ingénierie: Fenco et Geoccon à un groupe spécialisé dans cette activité. Nous n'en continuerons pas moins à travailler en étroite collaboration avec les deux compagnies précitées chaque fois que l'occasion s'en présentera.

Dans le même ordre d'idées et pour nous consacrer surtout à la construction, nous avons aussi décidé de réduire nos activités dans le domaine de la vente et de la location d'équipement de construction; ces dernières nous conduisant à financer l'activité de nom-breux petits entrepreneurs dont les mauvaises affaires se reflétaient par la difficulté d'honorer leurs engagements quant au paiement des machines qu'ils avaient utilisées.

Il y a un an, nous vous faisions part de nos inquiétudes quant aux réactions que la lutte contre l'inflation ne manquerait pas de créer dans notre économie. Bien que nous n'en ayions pas ressenti les effets du point de vue volume de travaux exécutés en 1975, nous sommes par contre touchés dans notre carnet de commandes. Il est à remarquer que le pourcentage de travaux à l'étranger de ce carnet de commandes s'accroît et que dans le futur c'est vers l'étranger que nous devons regarder malgré tous les problèmes que ceci comporte, si nous voulons maintenir notre activité et nos efforts devront s'accroître auprès des organismes internationaux.

Une grande partie de notre force est notre personnel-cadres qui, malgré quelques changements au sommet — dus aux états de santé de deux vice-présidents — est resté très fidèle à la compagnie au cours des années.

En passant brièvement en revue les principales réalisations et événements de l'année, on trouve: dans les divisions de construction de THE FOUNDATION COMPANY OF CANADA LIMITED, à VANCOUVER, la terminaison de l'édifice de Radio Canada, du Pont de Terrace, et le commencement des édifices de Harbour Centre et Vancouver Square qui seront terminés en 1976.

A CALGARY l'achèvement du nouveau Centre de Distribution pour le Ministère des Postes, et des fondations du nouvel aéroport dont nous continuons la construction en association avec d'autres entrepreneurs.

# Canadian Foundation Company Ltd.

Siège Social: 1 Rue Yonge,  
Toronto, Canada M5E 1E8

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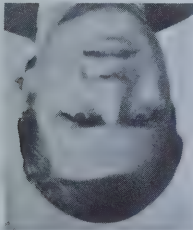
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Construction

The Foundation Company of Canada Limited



# RAPPORT ANNUEL 1975

Canadian Foundation Company Ltd.

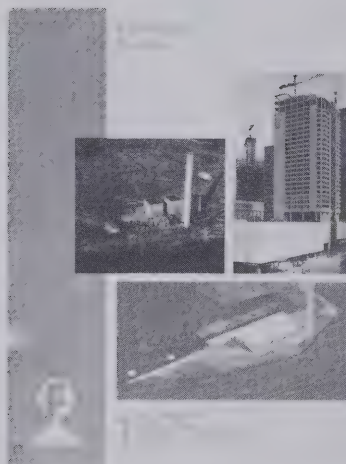


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# Foundation Bulletin



# 1975 REVIEW



*The Four Season Hotel Tower in Vancouver, B.C., the Wharf and Warehouse facilities in Dalhousie, and the Coleson Cove Generating Station in New Brunswick, as shown on our front cover, are but three of the many active projects, in progress during 1975 and more fully reported on in this issue.*

## IN THIS ISSUE:

Building Division .....	4
Engineering Construction Division .....	10
A. D. Ross & Company Limited .....	14
Maritime Division .....	18
British Columbia District .....	20
Alberta District .....	25
Manitoba District .....	27
Men in the News in 1975 .....	29
25-Year Club .....	31
Foundation Group Directory .....	32
Progress Reports on Feature Projects:	
—CN Tower .....	6
—Majes Irrigation .....	12

## The Foundation Bulletin

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With special contributions for this issue by: Andre Jordan (CN Tower)

**Editor:** K. H. Jacoby

**Associate Editor:** Mrs. C. Semeredy

# MESSAGE FROM MANAGEMENT

In sending you this Bulletin issue we can together review the main topics, events and activities of your Company during 1975.

All of us have been very busy in managing and carrying out a volume of work which has reached in 1975 a total of \$174 million, including the volume performed in construction management.

This was accomplished under hardship conditions as we still had a good portion of our working capital tied up in projects where settlements had been reached but unfortunately the money had not been paid.

The Parsons & Whittemore case, for example, has been completely and finally settled in our favour by the Supreme Court of Canada and after all payments our cash position should be improved by approximately \$3 million.

As we are basically a construction and project management company, we experienced problems with some consulting engineering firms acting as owners' representatives on our construction contracts—since we were also competitors in these activities through FENCO and GEOCON. It was therefore eventually decided to sell our interest in the non-construction activities, — a most difficult decision particularly considering the long standing, close association of the Fenco and Geocon staff within the Foundation Group.

We have taken steps to protect their identity in the arrangements and plan to continue working closely together as opportunities arise.

Also during 1975 a decision was made to reduce our activities in the construction equipment—sales and rentals—operations. With the problems facing the construction industry in general, we found ourselves financing many contractors, who would for instance rent from us and later argue about payments, often after excessive use of the equipment. This mode of operation has proven very costly to the Company over the last five years, in spite of all our efforts to effect improvements.

As a general statement our construction operations in engineering, building and industrial projects have been successful. Looking through this Bulletin you will realize how much has been done in 1975.



G.H. Bigelow



H.F. Gauthier



J.R. Rousseau

One of our major problems was the financing of the residential development—Place Radisson—in Hull, Quebec. Long term financing was eventually secured before inflation started penalizing our costs. We are now close to completion of that project.

The various operating divisions and districts all performed reasonably well financially. We were successful in obtaining the construction management contract for the 600 MW Wolsung-1 Nuclear Power Plant in Korea and the civil work on the first phase of the Point Lepreau Nuclear Generating Station in New Brunswick.

We have completed the main structural work on the CN Tower, and have started work on the large air terminal in Calgary.

Among our spectacular projects we see the Harbour Square and the Vancouver Centre in Vancouver, the Eaton Centre in Toronto and the Research Centre project in Ottawa progressing. We are proud of the Simpsons Sears Fashion Distribution Premises in the Montreal area, and in spite of labour problems, we expect to be successful in our new undertaking in New Brunswick. Also the Majes irrigation assignment in Peru progressed satisfactorily.

Although the Mackenzie River Valley pipe line project has been postponed, we are still optimistic for positive results from the efforts of Northcan and of Energy Systems Engineering Ltd. We maintain our position in Nova Scotia and in the Maritimes through our Foundation Maritimes district and hope to participate in the large developments planned in Halifax, in the advancement of which we are active through ITTC. Winnipeg should also see some large developments as well as Calgary and Edmonton.

Although we have to consider a forthcoming period which will see a decrease in capital investment, we are very confident that your Company, with overhead reduced to only the essential, will be able to get through these difficult times. That period should not last too long since Canada is continuing its growth and construction plays a most active part in that growth.

Many thanks to all the administration personnel, the engineers, and the construction forces on the projects who have worked hard for and in the interest of the Company.

Many thanks also to all other staff members and to those who helped prepare this bulletin.





### Highlights 1975

From his 4th floor 'command post' overlooking one of Toronto's busiest intersections—Yonge and Dundas Streets—Mr. E. H. McBride, project manager for Foundation's phase of the **Toronto Eaton Centre** reports:

In May 1974 Foundation Building Division started work in its role as Construction Management Contractor for Phase 1A of the massive downtown Toronto re-development project being undertaken in joint venture by THE CADILLAC FAIRVIEW CORPORATION LIMITED, the T. EATON COMPANY LIMITED and the TORONTO DOMINION BANK.

Located in downtown Toronto just east of Toronto City Hall and bounded by Dundas Street on the north, Yonge Street on the east, Albert Street on the south and Bay Street on the west, Phase 1A has now progressed from a 10.5 acre hole in the ground of a year ago to an office tower 75% complete and a Retail Mall structurally nearing completion.

There will be a total of 5,900 tons of reinforcing steel and 64,500 cy of concrete,—to give an idea of the major quantities.

The office tower known as Number One Dundas Street West is progressing to a point where the first 6 floors will be handed over to the owners for tenant improvements. By mid March 1976, the remainder of the 27 floors will be handed over progressively with the last floors scheduled for completion by the end of May 1976.

The tower and its 2 floors of retail area below grade, and its glazed cascading entrance at Yonge and Dundas Streets will be completed in the fall of 1976. The retail mall with its 250 shops and boutiques and four-level parking garage on Yonge Street is scheduled for completion by February 1977. Work on the 400 ft. glazed dome which covers the mall area is expected to start in mid February 1976, and complete in August 1976.



'Number One Dundas' office tower; (view from west; end of 1975)

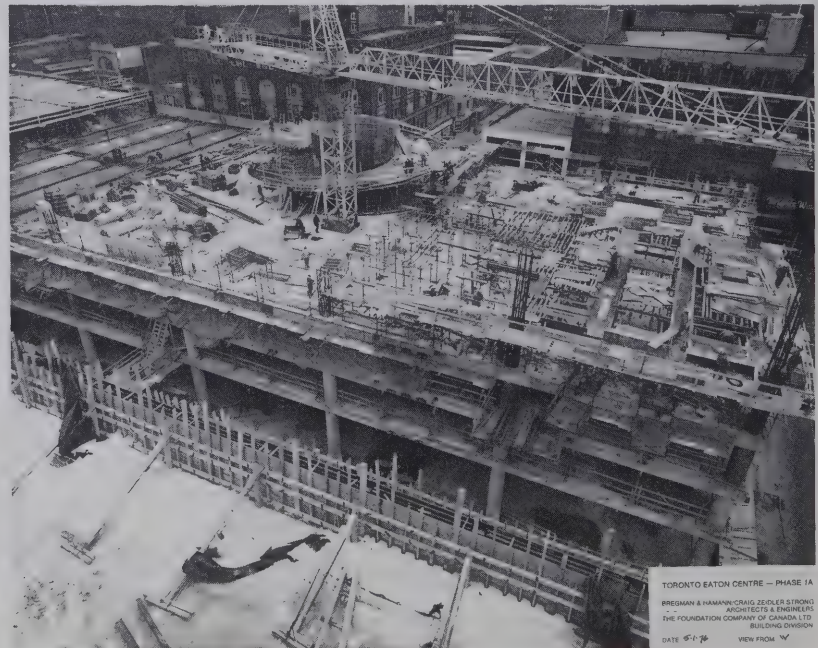


D.D. Brown,  
Vice President and Chief General Manager  
—Construction

Bregman & Hamann and Zeidler Partnership are architects for the Phase 1 development and C.D. Carruthers and Wallace Consultants Limited are in charge of structural engineering.

For Foundation, Ernie H. McBride is Project Manager assisted by J. Fergie Ross—Project Engineer, T. Khullar—Office Engineer, Sam Stadelbauer—Construction Manager, Tom Hook—Project Office Manager, Brian Gee—Chief Scheduler and Tom Collier—in charge of tender packages and contracts.

Progress on the 'Mall' is evident in this picture, taken January 5, 1976.



*With the almost completed Research Centre as background, the project staff are: (front row, l. to r.) Don Francis, Instrument Man; John Scruton, Safety Officer & Assist. Superintendent; Shirley Klis, Secretary; Bob Hicks, Project Manager; Bert Scalabrini, Office Manager; and Harry Haines, Office Engineer. (back row, l. to r.) Hank Sytsma, Superintendent; John McGiffin, Project Engineer; Gerry Brown, Field Engineer; and Doug Roemmele, Timekeeper.*



## RESEARCH CENTRE PROJECT

Research is also an important aspect of engineering, per se, and our Project Office Engineer, Harry Haines proves this point with the following well-researched report on the 'Tunney's Pasture' project:

At Tunney's Pasture in Ottawa's west end, the Research Centre Project being constructed under contract from the DEPARTMENT OF PUBLIC WORKS, CANADA, will provide Laboratory and Research facilities for the Health Protection branch of the National Health & Welfare Department.

Awarded to Foundation in January of 1974, the 371,000 sq. feet, four storey complex designed by architects Moffat, Moffat, & Kinoshita of Toronto and Project Architect A. H. Taylor of the Department, is scheduled for completion in the fall of 1976.

The concept provides facilities completely unique to this country and, in fact, comparable to the best in North America. The building is comprised of three wings, Animal, Communal, and Laboratory, each one being separated by functional design considerations rather than architectural feature, in order to minimize personnel movement and interference to and within specific functional areas.

Primarily, research and experimentation will be directed to food and drug associated problems. Drugs, food colouring, chemical additives for canning and processing foodstuff, etc. will be subjected to thorough testing prior to manufacturing approval being given. To a great extent, animals, (rats, mice, rabbits and primates) will be used under rigid environmental conditions to determine the relative safety of drug or chemical intake. While very strict security and rigid environmental control will be maintained in the Animal Wing, it is very evident that such control is not so much intended to protect the human element from the animals under experimentation, but rather to protect the animals from human-associated virus and disease.

The Communal Wing, situated between the Animal and Laboratory Wings will accommodate all

administrative staff, material management, technical maintenance personnel, scientific directors, etc. Contained within this wing are a theatre for teaching and demonstration purposes, library, kitchen and cafeteria.

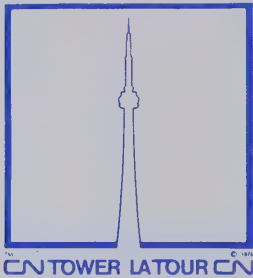
It is planned that the administration of this branch of the Department will be initiated from this Wing.

The Laboratory Wing is designed as a general purpose laboratory thereby permitting any other branch of the government requiring laboratory facilities to move in and become operational with minimum disruption and cost.

The total complex will be staffed by some 350 personnel who will be ensuring that our health and welfare are better protected through, for instance, testing and certifying the purity and safety of Aspirin and even our daily brew.



# Feature Project:



## A Progress Report

Again this year we are thankful to André Jordan, Foundation Company Project Manager, for providing the following factual and most interesting progress report—chapter three—on the rapid growth of the CN Tower during 1975:

The year opened with last preparations being made for the most spectacular phase of our exciting construction programme—the erection of the 300 ft. antenna mast atop the 1500 ft. concrete tower.

Up in the sky the tower crane was performing its last essential tasks: Completion of the steel framings for the skypod; Erection of the massive base section of the steel mast and the encircling framings for the top observation platform located thereat; And finally the last lifts of heavy mechanical equipment too large to be lifted by the material hoists.

At the base of the tower, sections of the mast were arriving from Canron's yard and being readied for the lift to their designated location whilst in Canron's shop steel workers were working round the clock to complete the two massive "damper" mechanisms in time for their scheduled lift.

At the beginning of March 1975, all was in readiness for the arrival of the star attraction, the tiger-moth-like Sikorsky S64E helicopter named "Olga" which, with its 11 ton lifting capacity, was the only machine capable of lifting complete sections of mast into place; the individual mast sections had in fact been designed to the S64E's capacity.



*C.B.C.'s National News broadcaster, Mr. Lloyd Robertson, with Dr. Franz Knoll of Roger Nicolet and Associates, the tower's structural design engineers, and Foundation's Project Manager André Jordan during a 'top-side' visit and briefing.*

Starting in the spring of '75 these temporary enclosures were progressively replaced with stainless steel and window wall claddings. As most other operations on this project this installation required a degree of ingenuity and foresight not normally called for on standard high rise buildings, both from the design and execution aspect. Starting with a set of design parameters obtained from

*With "Olga" in position, cables attached, boom section of the tower crane is ready to be lifted off and carried to ground level.*



wind tunnel tests and the architects conceptual requirements our sub-contractor Robertson Building Systems proceeded to do an exemplary job. Their efforts culminated with the installation in the fall of 1975, of the inflatable enclosure for the microwave antennas located at the base of the skypod structure which literally gives it the appearance of floating on air. This teflon reinforced fabric enclosure with its constant inflation system, was designed and fabricated by Bird Air Structures of Buffalo and is the first application of its kind on a building structure; its purpose is to prevent ice formation on the microwave dishes whilst allowing unimpeded reception of transmission signals.

A further "event" occurring on the tower in 1975 was the installation of the complete transmission systems by the broadcasting consortium. This work, not under contract to Foundation Company, was carried out directly for the consortium by EMI of London, England. It involved the enclosure of the antenna mast with fibreglass; locating within the annular space between steel mast and fibreglass enclosure transmitting antennas for each member of the broadcast consortium, and the installation of 600 ft long, 6" diameter feed lines

©CN Tower Limited 1973



from these antennas to the transmission equipment located in the two upper floors of the skypod structure. Antennas, feed lines and fibreglass enclosure were fabricated in Europe and installed by EMI and their sub-contractor Skyhook Construction of Brampton, Ontario.

After a five day flight from its home base in California the helicopter and its crew of experienced pilots arrived at the Island Airport in Toronto, in a glare of publicity. This publicity was undiminished throughout its four weeks of operation.

The first task facing this extraordinary piece of construction equipment was the removal of the tower crane from its perch at the top of concrete, a feat accomplished in seven separate lifts. Surprisingly enough this proved the most complex of the helicopter's assignments.

The heroes of the next four weeks of operations at the tower were Olga's pilots and Canron's ironworkers.

Although seriously hampered by March winds and the last throes of our Canadian winter the helicopter proceeded to lift the forty separate mast sections to their designated locations, in a seemingly effortless manner.

The lifts had to be phased with rail traffic on the main railway lines immediately adjacent to the site, and were governed by the rate of "bolting up" of the preceding sections; Engineers had dictated the maximum number of unbolted sections permissible. After 23 working days, on only 14 of which actual lifts were performed, the task was complete; on the 2nd April 1975 one hour before the start of a three day "white out" blizzard, the last section of the mast was placed to the 1805 ft. height, establishing the CN Tower's record claim to the tallest free standing structure in the world.

Pouring of concrete slabs on metal decks in the skypod structure was carried out during the winter months of 1975 completing by the end of April. During this period the total structure had been temporarily

enclosed against the elements, which to say the least, were quite severe at these elevations.

All transmission systems are now in the final testing stages and will be ready for on-air status in the early spring of '76.

During the summer and fall of '75 mechanical and electrical systems have been installed throughout the tower and the building is now in the hands of finishing trades in readiness for an opening to the public in the early summer of '76.

Aside from awarding and supervising some 130 sub-contracts, Foundation Company has performed approximately \$15,000,000 worth of construction with its own forces. Total project duration will end up at 40 months.

Present project staffing is as follows:  
A.S. Jordan — Project Manager;  
J.A. Whyte—General Superintendent;  
W. Kolodziej—Project Engineer;  
F.R. Hynes—Project Office Manager;  
R. Macilwain—Contracts Manager;  
J. McLinden—Estimator; D. Zeggil and J. Decloe—Area Superintendents.



Mr. Albert Gosselin, Project Manager on the Foundation-Janin joint venture operation for SIMPSONS-SEARS LIMITED at St. Laurent, Quebec, reports that the **Fashion and Distribution Premises** project will be completed by the end of April 1976.

The contract, awarded in April of 1974, called for construction of a complex to provide 800,000 sq. ft. for warehouse and distribution operations, a 600,000 sq. ft. Fashion Centre, and a 100,000 sq. ft. parts and services area,—to make this the largest facility of its kind in Canada.

Labour shortages experienced during early construction activities, resulting from the construction manpower demands of the Olympic Site Development in progress at the same time in Montreal, were efficiently handled by Foundation's



site management. Consequently, it was possible to phase in the mechanized material handling equipment installation in May of 1975 in all areas.—Once the sophisticated central, electronically controlled security and fire detection system was operational, actual occupancy of the building by our client was started in December 1975.

The successful completion of this project was a result of excellent

client-architect-contractor relation, combined with the efforts of Foundation-Janin staff, highly experienced in construction and management, including, but not limited to: A. Gosselin—Project Manager; P.C. Ghulati—Project Engineer; J. Rupnik Sr.—General Superintendent; R. de Repentigny—Office Manager; G. Scalabrini—Accountant; J. Rupnik Jr.—Field Engineer; all assisted by Mrs. D. Gogo—Secretary.

## Mackenzie Place

LUXURY LIVING IN THE NORTH

HUB OF THE NORTH

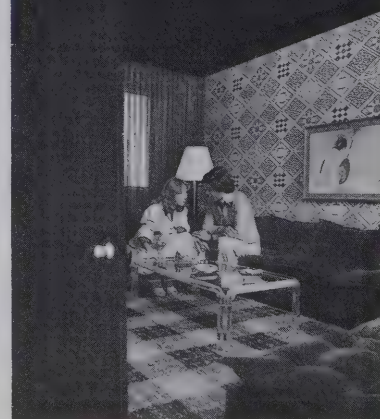
HAY RIVER — N.W.T.



... variously reported on during construction in 1974 and 1975, the 107-suite **MACKENZIE PLACE** apartment project in Hay river, N.W.T., and the over 600-suite **PLACE RADISSON** 11-acre residential community complex in Hull, P.Q. are completed and enjoying substantial rental activities.

A note to our wary travelers: both locations also provide excellent and economical short-term accommodations. If you plan to be in either Hay River or in the Hull-Ottawa area for a week or more, it is well worth your while to contact Mr. C. Hegg at Hay River, phone (403) 874-2535, telex 034-4343, or the Leasing Office at Place Radisson, phone (816) 771-7441 for immediate attention to your requirements.

This door  
doesn't open on  
just another  
room.



The better way

**PLACE Radisson**

2 PLACE RADISSON, HULL, QUÉ.



the intermodal group



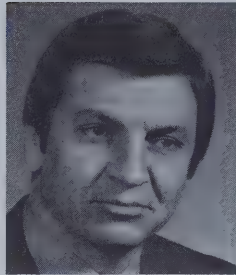
## ITTC

Your company is a partner in Intermodal Transportation and Trading Corporation. This Group has been working for the past few years at promoting the realization of a North American Gateway concept at the port of Halifax, Nova Scotia. This project provides for creating a version of "Europort" by constructing a variety of multi-purpose marine elements to handle containers, steel, autos and bulk cargo. As part of the concept, a 20 sq. mile land area will be developed as an international trade centre for warehousing, manufacture, assembly and distribution of goods moving through the Atlantic Rim.

## FOUNDATION CRYOGENIC

This joint venture group is completing a long series of tests which will enable them to offer to the gas industry a suitable process for transportation of their products via pipe line in liquified form. Energy Systems Engineering Ltd. and Fenco have been closely associated with and provided services to the group in this development.

## FOUNDATION'S PARTICIPATION IN OTHER COMPANIES



R.A. Nemeth

## ENERGY SYSTEMS ENGINEERING LTD.

Foundation jointly with other Canadian interests and Gulf Interstate Engineering Co. of Houston, Texas, is a shareholder of Energy Systems Engineering Ltd. Good progress is noted in the company's undertakings to provide economic feasibility studies, design and construction management service in the field of transportation of minerals by pipeline and for gas processing plants projects in Western Canada. A. D. Ross is also an active participant in these ventures.



C.P. Baker



## NORTHCAN ENGINEERING MANAGEMENT LTD.

Together with Acres Consulting Services Limited, Bow Valley Industries Limited, Santa Fe International Corporation and SNC Inc., we joined in the formation of this company in order to carry out project and construction management assignments for pipe line construction.

As mentioned previously the main activity of Northcan during the past year has been the CAGSL project. However proposals were submitted to Beaufort-Delta Oil Project Limited and some projects overseas are also under consideration.

The management of NORTHCAN is handled by Mr. C.P. Baker, Chairman of the Board of Canadian Foundation Company Ltd.



## Construction Safety Association of Ontario MASTER CITATION

Having 'won' the 1973 and 1974 Annual Accident Prevention Awards for no-injury performance on the Eaton Centre Project, Richard Krohm, Safety Superintendent for the Building Division project received the Construction Safety Association of Ontario Master Citation, — recognizing completion of the third year (1975) of injury free supervision in the construction industry.

Mr. E.H. McBride, Foundation's Project Manager, watches happily as Mr. Ken Fisher, Construction Safety Association Counsellor presents the Master Citation to Mr. Krohm.

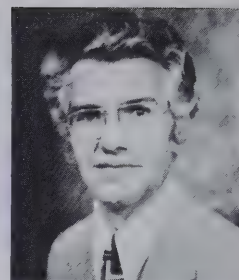




# FOUNDATION CONSTRUCTION SERVICES LTD. and GENERAL ENGINEERING CONSTRUCTION DIVISION



P.G. Opler,  
Vice President



J.R. Rousseau,  
President,  
Foundation Construction Services Ltd.

## Highlights 1975

### ... in ALGERIA

In our 1974 issue, we invited the reader to see 'Pyramids in Algeria', — referring of course to the Foundation logo. Mr. J. R. Rousseau, President of Foundation Construction Services Ltd., now reports that work for SOCIETE NATIONALE DE SIDERURGIE has been progressing in Algeria in line with the 1975 target of \$10,000,000. volume of work during the year. Activities under the Technical Assistance contract have been spread over most of the country and have covered a wide range of disciplines:

- Soil investigation,
- Wharf improvements,
- Apartment building construction,
- Plant construction,
- Quarry,
- Structural Steel Erection,
- Mechanical, piping and electrical installation.

The Janin-Foundation staff at the end of the year consisted of some sixty employees and social life in the so-called "Canadian Village" has greatly improved with the installation of recreational facilities.

With the start of important developments in the eastern part of Algeria (Annaba and El Eulma) it is expected that some of the families will be relocated in the vicinity of these new projects. However the whole Algerian operation will continue to be managed from Oran by Mr. P. C. Barlow.

Project coordination in Canada is now handled by A. Berubé, reporting to R. Haxaire.

... At Sydney, N.S., SYDNEY STEEL CORPORATION's **Continuous Casting Plant** for which Foundation Maritime Division handled the civil work assignments and Foundation-Fenco-A.D. Ross performed construction management services, was brought to successful conclusion.

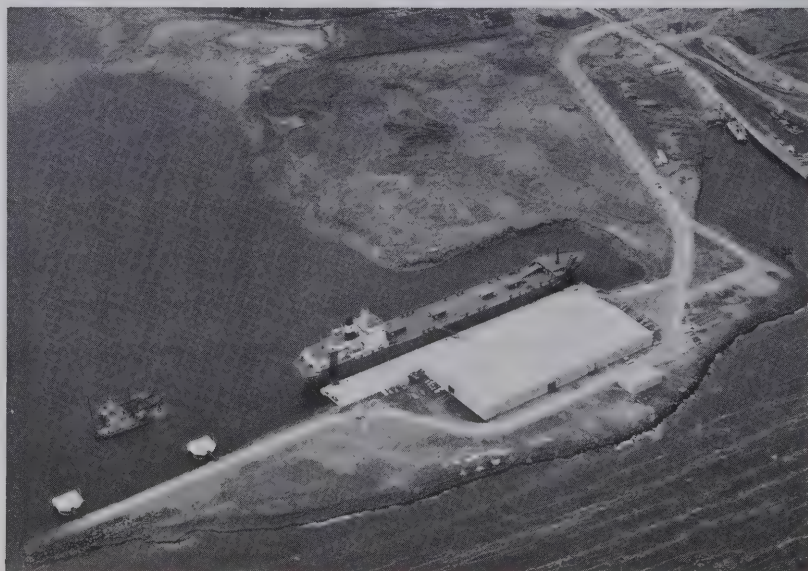
... The **Cargo Wharf and Warehouse** facilities for the DEPARTMENT OF PUBLIC WORKS, CANADA at Dalhousie, N.B., were completed by the end of July, 1975 and have already been in service for and by the New Brunswick International Paper Company to expedite its newsprint shipments to the European markets.

### KOREA — Candu Nuclear Reactor

During 1975, Nuclear Construction Managers finalized negotiations with ATOMIC ENERGY OF CANADA LIMITED and KOREAN ELECTRIC COMPANY for the Construction Management and Field Engineering services for a 600 M.W. Candu Nuclear Reactor to be built at Wolsung in Korea. The project is scheduled to last 69 months, starting early in 1976.

Nuclear Construction Managers is a joint venture of The Foundation Company of Canada Limited and Canatom Limited.

*Dalhousie Wharf and Warehouse facilities completed and operational.*





## Lepreau Nuclear Generating Station

In late June of 1975, Foundation was awarded a \$9.4 million contract by THE NEW BRUNSWICK ELECTRIC POWER COMMISSION to erect the **Reactor Building** for the province's first nuclear generating station. The plant site is located at Point Lepreau, on the Bay of Fundy, approximately 25 miles to the south-west of Saint John. The first unit of the complex, will have a generating capacity of 600 megawatts, and is scheduled to be brought on line in late 1980.

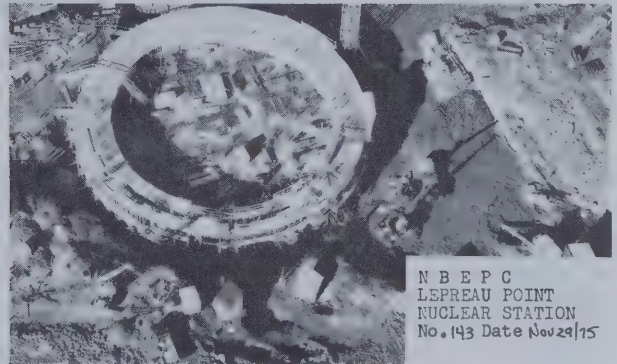
The reactor building design is for a prestressed concrete containment structure measuring 140 ft. (42.7m) diameter and 140 ft. (42.7m) high with a 3.5 ft. (1.07m) thick perimeter wall, resting on a 6.5 ft. (1.98m) thick base slab and enclosed at the top by a ring beam and 3.0 ft. (0.91m) thick upper dome. Other features of the building are a 2.5 ft. (0.76m) thick inner dome and interior structures consisting of walls and slabs. Upon completion of this contract, scheduled for 1978, an estimated 375,000 sq. ft. (34,875 s.m.) of formwork, 3,000 T. (2,678 t.) of rebar, 175,000 lbs. (79,540 kg) of embedded parts and 28,000 c.y. (21,431 c.m.) of concrete will have been finished.

By the end of 1975, the base slab 4,000 c.y. (3,058 c.m.) had been poured, fabrication and erection of the slipforms for the perimeter walls was in the final stages, and formwork for the lower dome was underway. In addition, Foundation successfully erected one of the largest stationary cranes ever assembled in Canada, a Potain J045 with a boom height and length of 200 ft. (61m) and 220 ft. (67m) respectively. This crane is intended to be used in the construction of the reactor building and surrounding service edifices.

The slipforming operation, originally scheduled for October 1975 and expected to take 16 to 20 days, was postponed until the Spring of 1976 primarily due to a series of industry wide labour/management disputes.



Forms for lower dome of reactor building being prefabricated.



Aerial view of base slab and slipform, with winter protection installed.



Interior close-up of reactor building base slab and slipform in place.

Reporting to A.R. Mackie, Manager of Operations in Toronto,—W.A. (Bill) Kirkwood is Foundation's Project Manager on the site, assisted by Bernie Closs, Assistant Project Manager; Al Morgan, Project Engineer; Doug Sumner, Slipform Engineer; B. Ward, Office Engineer;

F. Easton, Prestressing Engineer; Henry Boychuk, Office Manager; E. Arsenault, Assistant Office Manager; J. Whittaker, Field Engineer; D. Legg, Quality Control Inspector; M. Smith, Purchasing Agent; Frank Valentine and Len Leclerc, Superintendents.



# Feature Project:



CONSORCIO MAJES

## A Progress Report

In our 1974 Review issue, we reported... The prospect of irrigating thousands of acres of 'pampas' or plains, a sandy wasteland near the city of Arequipa in Peru, and creating a rich, fertile area for agricultural developments has been the dream of Peruvians for fifty years, and more. — Now, the dream is coming true. — After long, multinational negotiations, an international consortium of construction companies, including The Foundation Company of Canada Limited, has been awarded a contract for the first stage of a \$350 million irrigation and hydro-electric development project, — the **MAJES PROJECT**.

The project is under the auspices of the Ministry of Agriculture in Lima, where Ing. Oscar Valdivia is Director General of the Direccion Ejecutiva Proyecto Especial Majes, — assisted by Ing. Serra, Sub-Director.

Activities for the first half of 1975 were confined mainly to camp construction, road building, the installation of service equipment for tunnelling operations, and a comprehensive review and realignment of project operations and administration.

Resulting from these reviews, a major reorganization was effected. The operating sectors originally contemplated were reduced from four (Sigwas; Huambo; Rio Colca; and Condorama) to only two: North Sector and South Sector. The former Colca and Condorama sectors were formed into the Northern Sector, with Sigmas and Huambo sectors being combined into the Southern Sector of operations.

The main work effort of the year has been concentrated on tunnelling operations. By mid-year, tunnelling was well underway on all locations. Initial progress was moderate but, as the year advanced, so did the performance rates achieved by the crews, improving until, by the end of 1975, monthly progress was in line with planned production results.

About four miles of tunnel has been excavated in this first full year of operations; — just over 2 miles by MACON forces, and almost 2 miles by sub-contractors. Prior to MACON assuming operational control of the project, approximately 5 miles of tunnel had been driven by sub-contractors, so that in total at this time a little more than 20 per cent of the overall tunnelling requirement is completed.

A steady stream of equipment, spare parts and construction materials has been moving from Canada to the project. Foundation has supplied equipment and spare parts in excess of \$4½ million and construction materials totalling some \$2½ million.

The years operations can be summarized as follows:—

### Headquarters — Arequipa

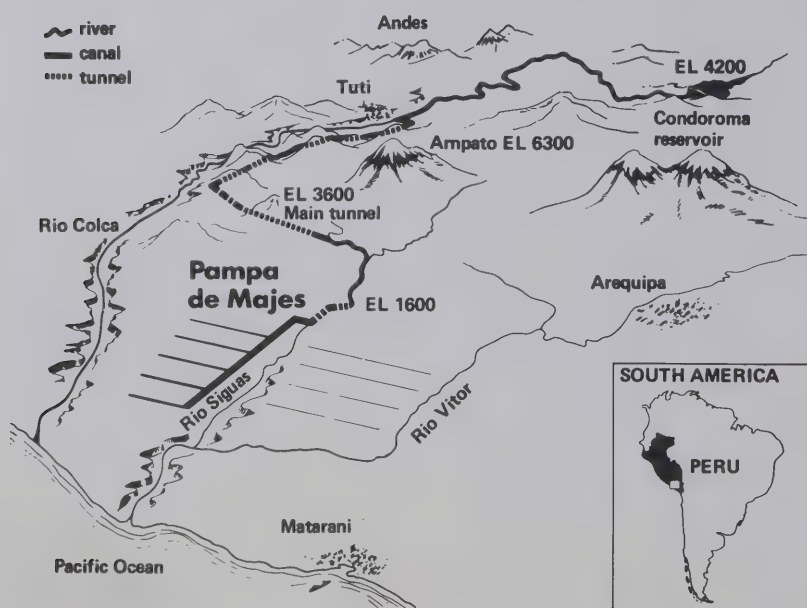
Work had been concentrated on the establishment of the main base at Zamacola, with base installations now about 90% complete. The stores buildings are complete and occupied, the main office is very close to completion and staff began moving in during the first week of January, 1976, and the various service shops are either completed and occupied or almost ready for occupancy.

### Northern Sector — Colca Valley

Main base camp at Chivay has been established, the airstrip extended, access roads are well advanced, and excavation is underway on three tunnels. To the end of 1975 some 5,700 cubic metres of rock have been excavated, for a total advance of 1,200 metres.

### Southern Sector — Huambo and Sigwas

The Camp and workshops at Huambo are 90% complete, the airstrip and the principal access roads are all completed. Work is progressing on two tunnels — one by Macon Forces and one by sub-contractor. Progress for the year has been an advance of 2,624 metres.





At Siguas, the camps, workshops and airstrip are complete, as are the main access roads. The excavation of two tunnels was completed at the end of the year, and General Richter, on behalf of the Minister of Agriculture fired the final shots at a ceremony marking the breakthrough of these two tunnels. Work is continuing on three other tunnels at Siguas, and the total advance for the year is 1,228 metres.

Foundation personnel stationed in Peru include in Arequipa: J. M. Bedington in the position of Manager of General Services; R. C. Chambers — Chief Electrical Engineer; D. Rea — Workshop Foreman. On the Sector sites, W. Lawlis — Chief Storekeeper and G. Gourlay — Topographer work at Huambo; L. Piasentini — Transport Manager and T. Knowles — Chief Storekeeper are assigned to Chivay; and at Santa Rita, Miss V. I. Atwell teaches school for the expatriates' children.

Toronto head office back up is being provided by D. L. Upchurch — Project Engineer; J. T. Lang — Purchasing Manager for Equipment and Supplies; and S.S. Keating with Don Dizon in charge of administration and accounting.



*View of downstream portal of tunnel C.28 near Huambo, — April 1975.*

### **Some of the Canadian-supplied Equipment Fleet at work in Peru . . .**



*Two units of the fleet of G.M.C. Pick-up trucks.*



*Cat. D8 Dozer levelling site around new headquarters complex at Zamacola, Arequipa.*



*Trainees at work on one of two C.I.R. Northern 'Jumbos'.*



*Link Belt LS 98A Crane loading G.M.C. Cargo Truck.*



*Bucyrus-Erie 45C Crane at work.*



*D.H.P. Robinson,  
Vice-President and  
Managing Director,  
A.D. Ross & Company Limited*

### **The Montreal District**

From the Montreal District operations, Mr. A. J. Maki, Electrical Division Manager, and Mr. O. G. Weber, Mechanical Division Manager, have provided the details of 1975 activities in the respective divisions. . .

At the **Churchill Falls Power Development** project, the electrical-mechanical assignments from Northern-O'Connell Joint Venture under the ACR Contract were successfully completed in the Fall. The work included additions to the systems for the Control and Administration Building, the Maintenance Depot, two apartment blocks, and for the townhouse development. Project Manager Howard Williamson returned to his home town of Sudbury, setting up the regional A. D. Ross office there to pursue the construction market in the district. Guy Belisle, Mechanical General Foreman, and Gaetan Murray, Electrical Foreman, spent a short time in the Montreal Small Jobs division, before being assigned to the Janin-Namur-Foundation project in Algeria. They are presently supplying technical assistance to local tradesmen at Ghardaia, Algeria. Jim Jardine, Office Manager at Churchill Falls, returned to Janin Construction following completion of his assignment with A. D. Ross.

At the **Place Radisson Apartment Complex**, in Hull, Quebec, construction operations continued throughout the year, substantially completing in December. The site electrical supervision work was handled by Messrs. J. Thibeault, until assigned to Ville St. Laurent, subsequently by Joe Hasbron until assigned to Hawaii, and J. G. Sabourin to completion and his assignment to Algeria.

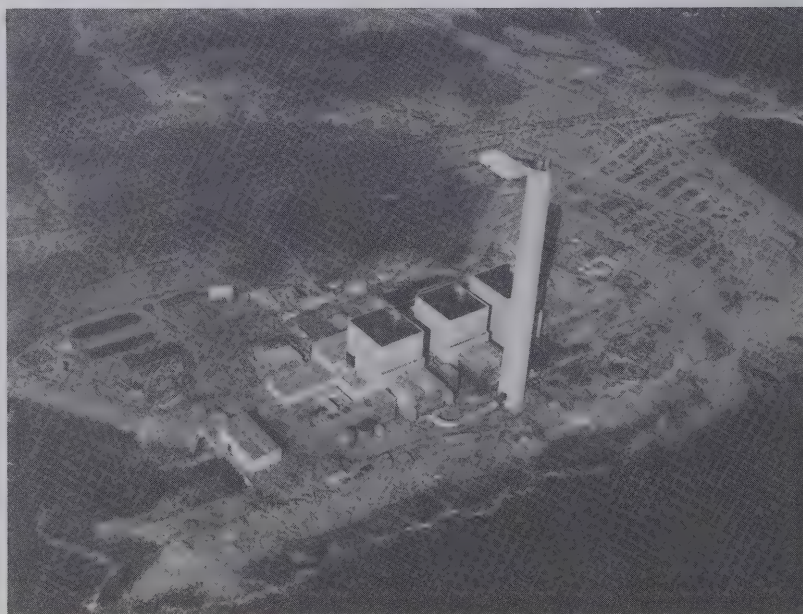
### **Coleson Cove Generating Station. . .**

Following a public tender to the NEW BRUNSWICK ELECTRIC POWER COMMISSION, A. D. Ross were awarded a contract for the installation of mechanical equipment and piping for Phase III of Coleson Cove Thermal Generating Station near Saint John, New Brunswick, on the Bay of Fundy.

This generating station, the largest facility of this type east of Ontario, is a completely new oil fired steam plant with advanced pollution control equipment and a 600 ft. high stack that can be seen for many miles around the Saint John area. The power generating capacity will be 960,000 kilowatts.

A. D. Ross crews have been on site since June 1975 and are well on the way towards completion of the contract. Additional instrumentation work has also been awarded and is proceeding according to schedule. The work is being performed under the direction of Project Manager Roger Duclos; Wayne Ash is Field Engineer for the project and Colin Ewart is Contract Manager in Montreal.

*New Brunswick Electric Power Commission's  
Coleson Cove Generating Station on the shores of  
the Bay of Fundy.*





The electrical installation for the Paceveyor System at the **Fashion and Distribution Centre** in Ville St. Laurent, Quebec, for SIMPSONS-SEARS LIMITED carried on through 1975 for completion in early 1976.

Mr. J. G. Sabourin started this project — until his assignment to Place Radisson, when Roger Paré took over the Electrical Superintendent's position. A. D. Ross forces also supplied temporary electrical services to the Foundation-Janin joint venture construction project.

Gerry Blanchard assisted NAMUR on their electrical installation for the Service Building at **Mirabel Airport**. After project completion he was appointed Electrical Co-ordinator at Janin's Place Desjardins project in Montreal.

Design and installation of the electrical equipment for the **Manic 3 Log Chute** for HYDRO QUEBEC was completed during the summer. Jean Guy Sabourin supervised this installation, 80 miles north of Baie Comeau.

The Small Jobs Division, under Ray Kirkham, looked after a variety of projects for the **Mackay Centre, Montreal Subway, Industrial Grain, Metalco, F. J. Raskin**, etc.



*Bowaters-Mersey Paper's 150 ft. log stacker being dismantled.*



*Steam-line replacement in progress at Canadian Forces Base, Shearwater, N.S.*

## Maritime District

Mr. F. C. Landers, A. D. Ross District Engineer in Halifax, reports on 1975 activities in the Maritimes:

At the Canadian Forces Base, Shearwater, N.S., A. D. Ross crews completed a 12-month assignment to replace underground and above-ground steam lines and condensate return lines for DEFENCE CONSTRUCTION (1951) LIMITED. The work included excavation and backfill for the underground lines, concrete thrust blocks and anchors for fibreglass reinforced plastic and RIC-WIL pipe, supply and installation of a PRV station, and insulation and testing of the systems.

... For SYDNEY STEEL CORPORATION's project, A. D. Ross fabricated and supplied an 18" dia. clearwell header and special pipe anchors ... At Corner Brook, Newfoundland, supply and installation 1/4" plate roof gutters and 6" dia. carbon steel downspouts at the Transit Shed Extension for the DEPARTMENT OF PUBLIC WORKS were completed in April ... BOWATERS-MERSEY PAPER COMPANY LIMITED retained A. D. Ross for the dismantling and removal of a 150 ft. high log stacker, erected in 1929, at their Liverpool, N.S. facilities.

... Installation of a steam system improvement, including boiler feed water heat integration piping tie-ins for IMPERIAL OIL ENTERPRISES LIMITED at Dartmouth Refinery was performed during September and October ... In December, a six-month mechanical assignment was commenced for IMPERIAL OIL ENTERPRISES LIMITED at Dartmouth, involving the field erection portion of the Asphalt Plant Modernization project. ... Also, in December, work started on repairs to container cranes no. 1 and 2 for HALTERM LIMITED, at Halifax, N.S.



## A. D. Ross . . .

### Western Division

Mr. A. W. Jackson, Western Division Manager, reports that in 1975 operations showed a slight reduction in British Columbia, Alberta and Saskatchewan. However, A. D. Ross has been able to continue to diversify the type of work being performed in the West:

This diversity has included a number of projects on existing power plant and substation installations:

**SASKATCHEWAN POWER CORPORATION**,—Landis, Saskatchewan: As a subcontractor to Turbodyne Corporation of St. Cloud, Minnesota, A. D. Ross completed all the mechanical, piping and electrical work related to the installation of a 78 megawatt industrial gas turbo-generator unit.

This included off-loading and transporting all the major equipment from the local rail siding to the site. The largest lift was the 115 ton turbine unit.

**B.C. HYDRO AND POWER AUTHORITY**,—Dal Grauer Substation—Vancouver, B.C.: This project involves the upgrading of an old installation and is being performed under the difficult constraint of maintaining power service to the major business community of Vancouver.

**DOW CHEMICAL OF CANADA, LIMITED**,—Fort Saskatchewan, Alberta: . . . Installation of a complete computer automation system for the herbicides plant. This upgrading work was performed while plant production continued at maximum output. . . . Installation of all major equipment, piping and electrical work for a formulating plant. . . . A number of minor projects were also completed for other process units.

Other projects completed in 1975 include: . . . **SYNCRUDE CANADA LTD.**, as a subcontractor to Canadian Bechtel, Fort McMurray, Alberta:—Installation of service piping for a 2,000 man camp.

. . . **IMPERIAL OIL ENTERPRISES LTD.**, Strathcona Refinery, Edmonton, Alberta:—Upgrading of lube oil system.

. . . **TEXACO CANADA LTD.**, Edmonton Refinery:—Turnaround Services.

. . . **CHEVRON STANDARD CANADA LTD.**, As a subcontractor to Canadian Kellogg—Burnaby, B.C.:—Tank farm rundown lines.

. . . **GULF OIL CANADA LTD.**,—Port Moody, B.C.:—Marketing terminal modifications.

. . . **PACIFIC PETROLEUMS LTD.**,—Taylor, B.C.:—Turnaround and Capital Construction Program.

. . . **WESTCOAST TRANSMISSION LTD.**,—Fort Nelson, B.C.:—Gas Processing Plant—Start-up and maintenance assistance.

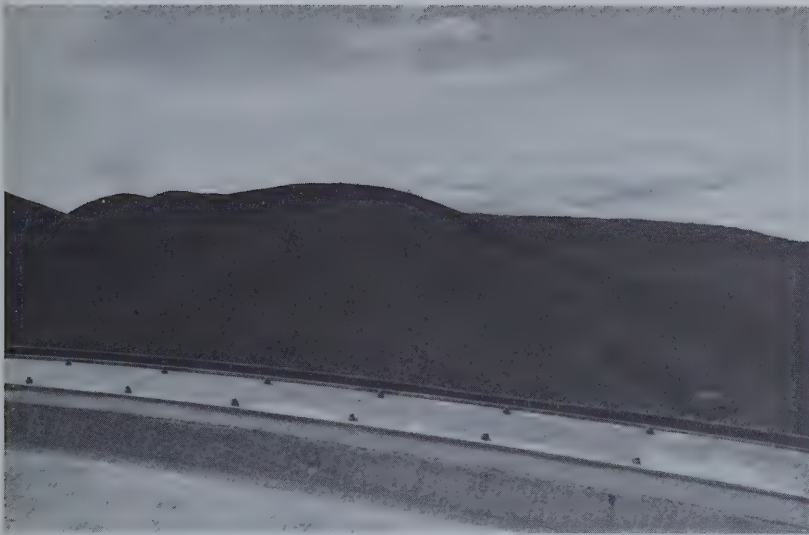
Entering 1976, A.D. Ross Western Division has been successful in obtaining a contract for the mechanical erection of the third bucket wheel for the **GREAT CANADIAN OIL SANDS LIMITED** operation at Fort McMurray, Alberta.



At Port Moody, B.C., loading dock piping arrangements shown above, before relocation to accommodate highway realignments.

Gulf Oil's Port Moody, B.C. Pump Station and associated piping, — part of A.D. Ross project in 1975.





*This, too, is Hawaii . . . as seen from the C.F.H.T. job site.*

### **Canada-France-Hawaii Telescope Project**

Contrasting with the usual northern hemisphere locations of its projects, A. D. Ross & Company, in the Fall of 1975, were awarded a contract by CANADA-FRANCE-HAWAII TELESCOPE CORPORATION for the procurement of materials and installation of all building services—support facilities for a 144" refraction telescope, on Mount Mauna Keo in the Hawaiian Islands.

Mount Mauna Kea is on the "Big Island", the southernmost island of the Hawaiian chain. The telescope will be located on the summit, some 13,800 ft. above sea level, 35 miles from the nearest city, Hilo.

This contract covers the installation of all building services, mechanical, plumbing, electrical, heating and ventilating for the complete telescope building. A. D. Ross are managing and supervising all phases of the installation, with labour forces supplied by local contractors.

Due to the low atmospheric pressure (8.6 P.S.I.A.) encountered at these extreme heights, it was found necessary to establish a base camp for construction forces at elevation 9,200 ft. in order to maintain the men's acclimatization to the conditions. Access to the summit is via a mountain road, paved only to 9,000 ft. elevation. During the winter months considerable snow falls can make this site inaccessible.

Phase I of the project is nearing completion and some of the services installed to date include a refrigerated floor, achieved by means of circulating ethylene-glycol through under-floor piping coils. A sophisticated system of temperature-humidity control is incorporated in the building. After the erection of the telescope dome, A. D. Ross will remobilize their forces in order to carry out the dome drive installation and finishing work at the end of 1976.

The engineering was by Surveyer, Nenniger, & Chenevert, Inc.

The A. D. Ross staff in Hawaii are Peter van Warmerdam as District Manager, and trades supervisors, R.E. Romer, Civil; Joe Hasbron, Electrical; and George MacCarlie, Mechanical. Material procurement was carried out by head office staff in Montreal.



*The telescope building under construction, as it appeared in September 1975.*





F.H. Webbink,  
General Manager—Maritime Operations

## Highlights — 1975

Mr. Fred H. Webbink, General Manager — Maritime Operations, commented recently that he felt almost insignificant in the company of Building Division and Heavy Construction Operations managers, reporting on the past years' achievements. With all due respect, Maritime Operations very successfully handled a variety of small and medium size projects during the year and enters 1976 with an optimistic forecast.

For the year under review, Mr. Webbink reports as follows: As part of NATIONAL HARBOUR BOARD's major rehabilitation of the Port of Halifax container pier, Foundation Maritime renovated 1800 ft. of track on which three 40 ton capacity container handling gantries operate on **Pier "C"**. The work consisted of jacking, levelling, realigning and grouting the track rails and installation of 3600 ft. of flange rails. Ernie Nolan and Ken Northup

supervised the work, without interruption to the ongoing container handling operations.

... Under the supervision of Ernie Nolan, a Foundation Maritime crew drove 240 creosoted timber piles, varying in length from 20 ft. to 30 ft., for the **foundations** of a supermarket being constructed by others for CAPITAL STORES, at Dartmouth, N.S.

... During the summer of 1974 Foundation Maritime was awarded the rehabilitation work of NORTH STAR CEMENT COMPANY's bulk **Cement Loading Wharf**. The work consisted of the partial removal of the existing timber wharf and the supply and construction of two 30 ft. diameter steel sheet pile cells. Due to the temporary shortage of steel, the cells could not be built until the summer of 1975. The work was carried out under supervision of Lawrence May while Mr. Bob Besaw,

P.Eng., represented the owners for all field engineering work. The project was designed by Fenco.

... In 1975 Halifax Office completed the 23,000 sq. ft. addition to the **Transit Shed** in Corner Brook, Newfoundland. The project went very smoothly with good co-operation from our subcontractors and from the staff of PUBLIC WORKS, CANADA in St. John's, Newfoundland who designed the project. Mr. Lawrence May was our Superintendent for the project.

... proudly presenting the Maritime Division's Halifax office staff: (seated, l. to r.) Gerry Martell, Fred Webbink, Lesley Maroun, Joe Chisholm. (back row, l. to r.): Harold Beswick, Frank Wilmoth, Doug Hambleton, Gary Brown, and Ron Harris.



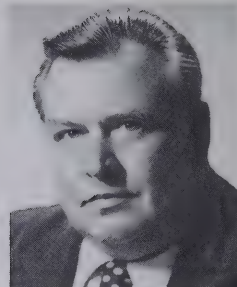


... In April 1975 the R.C.M.P. moved into their new **Headquarters Building** in Halifax, built by Halifax District Office. This modern four storey building, consolidates under one roof the operations of several police units formerly split up among various older buildings in the City of Halifax. It provides offices for all administrative and operational departments as well as training facilities, accommodations for single staff members, a revolver (firing) range and recreation areas. On October 17, 1975, Solicitor General Warren Allmand, P.C., M.P., officially opened the building at a very colourful outdoor ceremony attended by officials of Federal and Provincial governments with the R.C.M.P. band providing musical background.

Foundation Company staff for this project were Earl Pineo, Superintendent, Gary Brown, Engineer, and Wilfred Lawson, Officeman. Architects for the project were C. A. Fowler, Bauld and Mitchell Limited.

... The 106 bed **Dartmouth General Hospital**, for which the Halifax Office holds the Construction Management Contract, is now completely closed in; work by interior trades is underway. Foundation staff are: Ray Boutilier, Project Manager; Earl Pineo, Superintendent; Vaughn Craswell, Engineer; Kevin Willcott, Instrument Man and Bob Cantellow, Officeman. The project is scheduled to be phased into operation during 1976.





*L.E. Edgley,  
Acting General Manager, B.C. Operations*

## Highlights — 1975

For several years now the FOUNDATION name has been prominent throughout British Columbia, and particularly so in the field of building construction operations in the Vancouver district. To Mrs. Inge A. Gray, Secretary in the Vancouver office, we express our thanks for gathering the pictures and reports on these interesting projects:

### **Four Seasons Hotel, Vancouver, PACIFIC CENTRE LIMITED . . .**

In the heart of the business and shopping district, Pacific Centre North at Georgia and Howe Streets, the superstructure of this 30-storey hotel reached substantial completion

in early June, 1975. Commencing with the structural footings and underground trenches contracts for all of the Pacific Centre North complex in 1973, Foundation was awarded the substructure and, subsequently, 30-storey tower contracts in 1974 (during which we logged a record 9-hour concrete pour of 734 m<sup>3</sup>). Additional work requested by the owners, as well as the rental of our tower crane, employed our site forces until late November, 1975.

In keeping with the lush greenness synonymous with Vancouver, the

hotel will feature a variety of gardens: in the lobby a shrub-surrounded fountain is lit by a lofty skylight; an inner court on the fourth floor provides for a year-round oasis with pool, mirror pools, terraced gardens and waterfall. When completed, Four Seasons promises to be one of Vancouver's most exciting accommodations — and just in time for the 1976 HABITAT CONFERENCE.

Webb, Zerafa, Menkes, Housden, Architects and McCarter, Nairne & partners, Architects, signed the drawings for this development.



*The climbing crane atop the Four Seasons Hotel tower was successfully removed by helicopter lifts on November 9, 1975.*





**C.B.C. Regional Broadcasting Centre, Vancouver, — Completed. . .**

Commenced in August 1972, the C.B.C. Regional Broadcasting Centre in downtown Vancouver was completed in December 1975. This major recording/broadcasting technical facility is reported to be the most up-to-date of its kind in North America, — Thompson, Berwick, Pratt & Partners were the owners' architects for this project.

As evident from the photograph, the building is a city block square, bounded by Georgia, Cambie, Robson and Hamilton streets. The major part of the underground structure accommodates five television and 12 radio studios, storage, workshops, dressing rooms and control rooms. The two top floors of the half-pyramid type building contain the mechanical equipment. What appear to be flying buttresses actually are ventilation shafts servicing the studio areas — an engineering and construction task calling for installation of four ducts in the shafts and sound proofing the ventilation equipment.

Understandably, the sound proofing was of main concern in construction — from 1" concrete walls, 6" air spaces, layer upon layer of gypsum, insulating materials, etc. — to every piece of conduit being caulked and every joint being sealed, to achieve minimum sound transmission. Studio 1, where symphonies are to be taped live, particularly evinces this fact. It had to be tested and re-tested before and after application of sound isolating materials. Floors were equally sound proofed and, in the case of the T.V. studios, needed to be so true and level that a laser beam was used to ensure these requirements. Ceilings were isolated from ceilings, walls from walls — like a room within a room within a room.

Such complex construction techniques necessitated specialists in every phase of the project, with materials being used of the highest grade obtainable. Foundation Company is proud to have played a role in the construction of this unique building!



C.B.C. Regional Broadcasting Centre, Vancouver, B.C. April 18, 1975

**University of British Columbia, U.B.C. Extended Care Unit, Vancouver. . .**

Commenced in early 1975, this multi-million dollar project is expected to be completed for May 1976 — about 4 months ahead of schedule and below established budgets. Another of Foundation's construction management contracts, this project, particularly, testifies to the feasibility and merits of this type of contract.

The building structure is reinforced buff-toned concrete utilizing a flat slab floor construction without capitals at columns. Shear walls in the central part of the building combined with a regular elevator core shear wall system, has proved quite economical in allowing for earthquake load requirements. With

four floors of nursing wards above the main floor, providing for administrative offices, the unit will also be used as a teaching facility. Patient activity areas are located in a bowl shaped lawn space at the south of the building, and on the roof.

As part of the GREATER VANCOUVER REGIONAL HOSPITAL DISTRICT'S expansion program, this project represents one of the first attempts by the owner to employ a management-type contract. Its success has shown that hospital facilities can be brought in on time and on budget!

*South face of the U.B.C. Extended Care Unit, with construction to the second floor level. Foreground columns were 25 ft. high, single piers.*





## B.C. District . . .



## Harbour Centre, Vancouver, . . .

To more appropriately identify with the surroundings of this development which is to house Simpsons-Sears' first downtown retail outlet, the name of this project has been changed by POLARIS REALTY (WESTERN) LIMITED from Vancouver Square to **Harbour Centre**.

From the six-floor, city block square Sears base rises a 22-storey office tower, like a sentinel guarding the "Gateway to the Pacific" — atop which a revolving restaurant and observation deck perched on a 50-ft. spindle will afford a superb viewing of the general panorama. Two glass-encased exterior elevators will enhance this experience for patrons and visitors.

For what will be Vancouver's tallest building, Foundation utilized one of the highest free standing cranes ever employed in the province of British Columbia, rising to 600 ft. At this writing, approximately 40,000 cu.yds. of concrete and 3,500 tons of reinforcing steel have been placed with completion of the structure portion of the office tower anticipated for early March 1976. Typical office tower floors are being cast every 5 days using single shift and one set of flying forms, some of which are 60 ft. long.

Major structural revisions have been made to the adjoining parkade which includes a new overpass linking the two buildings and an access ramp to serve two additional floors of parking facility. We have been successful in meeting the progressive turnover dates to Sears for their occupancy of the completely-renovated, now historically preserved 50 year old Spencer's Building, one of the largest renovating projects in Vancouver, involving some 370,000 sq. ft. of floor space.

Boutiques and food fair mockups have been constructed in the lower mall area of the building, finished with mirror-tiled ceilings and brick facing — nevertheless, the outstanding feature of this building complex, scheduled for substantial completion in January 1977, will be the unique cantilever design revolving restaurant.

### Vancouver Centre, Vancouver. . .

A slim, octagonal, 35-storey office tower rising 451 ft. out of a two-storey podium, VANCOUVER CENTRE occupies Vancouver's principal down-town intersection — Georgia and Granville streets. The owners VANCOUVER CENTRE DEVELOPMENT LIMITED, HENRY BIRKS & SONS LIMITED (who have occupied this site for the past 63 years) and the BANK OF NOVA SCOTIA share this prestigious location. Other attractions of this development include Famous Players' twin theatres and a two-level shopping mall interconnected at the concourse level with Eatons, The Bay, Pacific Centre and Four Seasons Hotel. Designed by Webb, Zerafa, Menkes, Housden, Architects and Christopher Ballyn, Associate Architect, this building uncontestedly stands apart: uniquely set at a 45-degree angle to the street, bronze-coloured curtainwall and tinted reflecting glass contrast onyx-based polished precast columns and spandrels to provide a truly distinctive retail, business and entertainment centre.

Often exceeding National Building Code requirements, the key factor in all aspects of project design has been one of safety — particularly with regard to earthquake and fire resistance. The earthquake-resistant concrete core and steel frame (designed to take 100% of the design load) contains a smoke control shaft solely for the purpose of evacuating smoke from any floor in the building. Diesel powered generators stand ready to provide emergency lighting and power for elevators. Independent heating and variable volume air conditioning units are installed on each floor. All these features will make this a most sought-after working environment. The VANCOUVER CENTRE is the only high-rise building complex in Western Canada fully sprinklered, with automatic sprinkler heads placed every 150 sq. ft.

From supervising the demolition of the old Birks Building to the replacement of the historically renowned Birks Clock, Foundation (Western) Limited, Construction Managers, are proud to be involved in the "construction" of another chapter in this city's history.





## B.C. District . . .



Cladding of the mechanical penthouse is nearing completion in this January 1976 picture of the Rank City Wall Office building.

### Rank City Wall Office Building, Vancouver . . .

Awarded in February 1974, the construction of this 16-storey first-class office tower at Georgia and Thurlow Sts. is nearing completion, and tenant work has already begun. Occupancy is expected by early April 1976.

Aluminum spandrel panels and quartzite tile columns, offset by onyx-tinted reflecting glass, only serve to emphasize this office tower's most striking design feature: rounded corners, a refreshing curve thrown into the usual angular lines of a city's commercial centre. Webb, Zerafa, Menkes, Housden, Architects and Christopher Ballyn, Associate Architect for the Owners, RANK CITY WALL CANADA LIMITED, have provided a unique and distinctive building in the modernization of this city's business core.

On the functional side of this office tower's appeal is the provision of a self-contained air handling unit on each floor — making it one of the most sophisticated ventilating/air conditioning systems recently installed in a Vancouver office building.

### Terrace Bridge South, Terrace . . .

The 13-span bridge constructed for the BRITISH COLUMBIA DEPARTMENT OF HIGHWAYS was officially opened in October 1975 by the Honourable Graham Lea, Minister of Highways.

Situated on the Yellowhead Highway in central northwestern British Columbia, the bridge spans the main channel and the west channel of the Skeena River at Terrace, providing the first two-lane river crossing in the area. The bridge structures are connected by a roadway embankment on Ferry Island.

Despite record high water conditions in the river during late 1973 and 1974, Foundation's contract for the substructure of this bridge was successfully completed in May 1975.





## Highlights — 1975

Our thanks to Mr. Phil S. Bazant, General Manager — Alberta Operations for taking "time out" to turn reporter and give us the highlights of construction operations in the Alberta District during 1975.

**Calgary International Airport Terminal, Airport Sub-Structure** Contract #3 with TRANSPORT CANADA was completed in December 1975. Portions of the sub-structure were completed as early as February 15, 1975 to allow commencement of structural precast work under the Architect-Owners sequential construction program.

Construction of the **Air Terminal Building** (Contract #5) for TRANSPORT CANADA by a joint venture sponsored by Cana Construction Company Limited with Poole and Foundation, commenced in April 1975. Partial occupancy is scheduled for Christmas 1977. The building is being erected on substructure built by Foundation (under contract #3). Plans are for the initial phase of this new airport facility to accommodate an anticipated 3,100,000 air travellers by 1980.

The **Airport Firehall** project was awarded to Foundation by TRANSPORT CANADA in April 1975 and was substantially completed in December 1975. This masonry and precast building will eventually house 4 firetrucks to serve the International Airport Terminal now under construction by the Cana-Poole-Foundation Joint Venture.

Mr. Jake Heide, Superintendent, under the direction of Mr. J. D. Savard, General Superintendent and Mr. H. G. Bjornrud, Project Administrator brought this project to a successful and timely completion.

### **Cominco Ltd. Nitrogen Fertilizer Plant, Carseland, Alberta. . .**

The Foundation Company of Canada Limited was awarded construction of Office and Control Buildings by COMINCO LTD. through their agents, The Canadian Kellogg Company Limited. The office building will house the plant's general personnel while the control building will house the automated plant's computerized control systems. The buildings are of concrete block construction.



*P.S. Bazant,  
General Manager, Alberta Operations*

Mr. Peter Auchterlonie, Superintendent, together with Mr. H. G. Bjornrud, Project Administrator and Mr. J. D. Savard, General Superintendent have scheduled project completion as mid-March 1976.

### **Maintenance Centre, Alberta Government Telephones, Spruce Grove, Alberta. . .**

This project in the Edmonton suburban area was started in July 1975. Heavy rains in August slowed progress somewhat but good weather in the following months helped to bring us back on schedule for completion in September 1976. However, it is expected that the owner should have occupancy by June 1976.

The facility will accommodate most of the owner's maintenance staff assigned to cover Alberta area operations west of Edmonton.

Superintending the project is Larry Francoeur with the project administration being carried out by Dave Sharpe.



*Calgary Air Terminal pre-cast superstructure rising from the substructure built by Foundation under an earlier contract. — The Airport Firehall (photo below) can be seen on the upper edge of terminal apron.*



### **Southern Alberta Institute of Technology, Calgary...**

Construction for this \$12.5 million Trade and Technical Engineering Complex for ALBERTA PUBLIC WORKS has continued through 1975 and is scheduled for overall completion in August 1976.

Under the direction of Mr. T. Janzen, Superintendent and Mr. D. Ure, Project Engineer, the project suffered minimal delay impact from labour unrest and strikes in Alberta during 1975. Approximately 96% of the 18,000 cu. yds. total concrete for the building had been placed by year end. The remainder of the concrete is scheduled for completion by the end of February 1976.

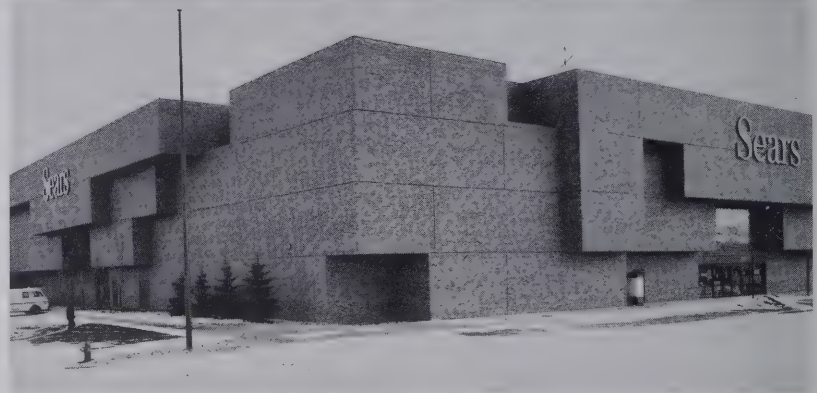
The **Welding Shops**, as reported on in the 1974 Bulletin issue, were turned over to the owner in late 1975 and commissioned for the education of skilled tradesmen.

The **Food Technology & Services** contract awarded to Foundation in January 1975 by ALBERTA PUBLIC WORKS was completed and turned over to the Owner in October 1975.

This project consisted of structural modifications to the interior of the existing building and the construction of a new loading dock and elevator shaft all in preparation for a complete renovation planned by Alberta Public Works. The job was staffed by our S.A.I.T. Trade and Technical project personnel due to its physical proximity.

... Construction of the million dollar **Transport Terminal** project for BOW VALLEY TRANSPORT CO. LTD. began in late August 1975 and is scheduled for completion in June 1976. The building designed by Dale Chandler Kennedy Partnership has 40,000 sq. ft. of floor area, located on a fenced 3 1/2 acre site, will provide for tractor and trailer repair, washing, warehousing and office space.

J. D. Savard, General Superintendent together with Mr. D. McNaught, Superintendent and Mr. L. Johnson, Project Administrator comprise the team in charge of this project.



### **Simpsons-Sears Limited, Kingsway Garden Mall, Edmonton, Alberta...**

This project was started in June 1974 and completed December 1975. Three floors of shopping area totalling 275,000 sq. ft. make this the largest Sears store in Canada.

The concrete frame is one of the largest and most difficult and challenging concrete project undertaken recently on the

Edmonton construction scene. Mr. M. Miller, Chief Architect of SIMPSONS-SEARS LIMITED handled the design of the total facility.

Superintendent for this project was Al Stepaniuk. Lorne Dundas our Contracts Manager and Chief Estimator in the Edmonton Area, administered the project.







MANITOBA DISTRICT

## Highlights — 1975

Mr. John P. Lord, Operations Manager — Manitoba District reports that during the first full year of activity, two and one half million dollars of construction was completed and turned over to the clients, — including the Clubhouse for the ELMHURST GOLF AND COUNTRY CLUB and the Bluebird Lodge for the MANITOBA HOUSING AND RENEWAL CORPORATION. — Work on hand of the coming year already amounts to double the 1975 volume.



J.P. Lord,  
General Manager, Manitoba Operations

... The **Elmhurst Clubhouse**, designed by the Winnipeg architectural firm of MacDonald, Cockburn, McLeod and McFeetors, invites the membership to enjoy the social aspects of the game of golf around its natural stone fireplace situated in the spacious lounge area. The open beam ceiling is enhanced by natural cedar wall panelling, the view of the course and the attractive selection of furnishings. A tip of the Foundation hard hat is extended to Mr. Al Macatavish, Building Committee Chairman, Mr. Jerry MacDonald, Architect and Foundation's Mr. Wilf Behrendt, Superintendent for the successful completion of this project.

... The **Bluebird Lodge Elderly Persons Housing** project, designed by Roy M. Lev, Architect has just been completed for the MANITOBA HOUSING AND RENEWAL CORPORATION. One of the tallest structures in the immediate area, the Lodge features a solarium and roof garden on the eleventh floor, providing tenants with a dramatic view of the northern and western sections of Winnipeg. Mr. Alex Black and Mr. John Peemoeller of Foundation together with Mr. Michael Macy of the Architects office were responsible for the completion of the project.



In mid-December of 1975, the District was awarded two contracts: the **Mission Gardens Community School**, and an **84 Suite Elderly Persons Housing** project in St. Boniface.

The Mission Gardens Community School, located in the Transcona area of Winnipeg, will be one of the largest elementary junior high schools in the province. The Johnson and Mager, Architects, design of the school facilities is unique in providing for full integration with the activities of the local Community

Committee. The indoor swimming pool, theatre, gymnasium and change rooms, art room and the horticultural area will be used not only by the students but by the local residents, illustrating the progressive thinking of the TRANSCONA-SPRINGFIELD SCHOOL DIVISION, the PROVINCIAL DEPARTMENT OF EDUCATION and THE CITY OF WINNIPEG. Mr. Ivan Jensen, Superintendent and Mr. Wilf Behrendt, Assistant Superintendent are in charge of the project, due to be completed by the end of the 1976.

Mr. Leslie J. Stechesen, Architect, designed the 84 Suite Apartment for the MANITOBA HOUSING AND RENEWAL CORPORATION keeping in mind the particular needs of the senior tenants while ensuring that the esthetics of the building enhance the surrounding area. The three storey structure is of a Tudor design complete with fireplace and lounge areas. Mr. Alex Black and Mr. John Peemoeller are responsible for completing the building by mid-September 1976.



#### A. CHMIELENSKI honoured ...

Mr. H. F. Gautrin announced that Mr. A. Chmielenski has been appointed Foundation Group resident representative to the European Common Market area, with an operating base in London, England.

Mr. Chmielenski will ensure liaison with the various partners in I.T.T.C. and assist Mr. Opler in the promotion of work involving European and 'Middle East' companies.

Just prior to departing for England, Mr. & Mrs. Chmielenski were guests of honour at a reception and testimonial dinner, held in Toronto's Sutton Place Hotel on October 25, 1975. Some 120 friends and longtime associates attended to pay tribute to Mr. Chmielenski and his 23 active years with the Foundation Group. Among the head table guests were: Mr. and Mrs. Bill Weinstein, Mr. and Mrs. Frank Saunders, Mr. and Mrs. Joe Galli, Mr. H. F. Gautrin, Mrs. and Dr. W. E. Hickey, a Past President and Past Chairman of the Board of FENCO and Mr. R. F. Shaw, a past Chairman of the Board of FENCO and



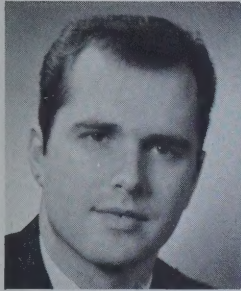
*Eileen and Andrew Chmielenski ... thrilled by reception*

a past President of Foundation.

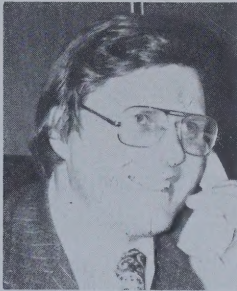
Two quotes from the several, most interesting testimonials best sum up the regard and high esteem Mr. Chmielenski has earned: Dr. Hickey, explaining why Mr. Chmielenski was his choice for President of FENCO in 1962 said "Andrew met the qualities of intelligence, ethics, experience,

loyalty, leadership, competence and good health". And Mr. Weinstein, master of ceremonies for the evening, remarked "Andrew Chmielenski has always sought what was right rather than profitable. . . and it has been profitable because it was right. . . it was especially profitable to all those who were fortunate enough to have come in contact with him."





P. S. Bazant



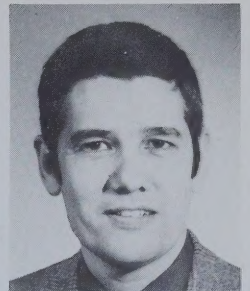
D. D. Brown



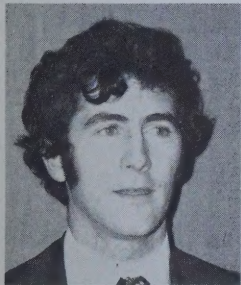
L. E. Edgley



S. Ericson



M. T. Gyi

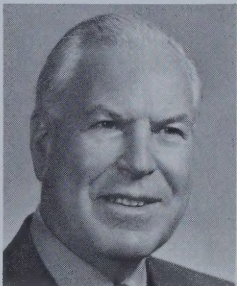


S. S. Keating

## Foundation Staff in the News . . .



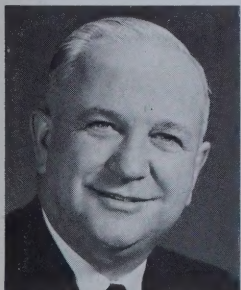
J. P. Lord



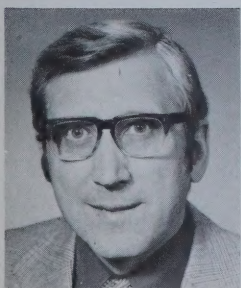
J. F. Masterson



M.-L. P. Johnson



G. H. Schuett



F. H. Webbink

. . . In April 1975, Mr. Bigelow, President, The Foundation Company of Canada Limited, announced several appointments and staff changes: . . . **Mr. D. D. Brown** was appointed Vice President and Chief General Manager, Construction, — with responsibility for the Canadian construction operations of the Company, — excepting A.D. Ross, operations. . . General Management at the district levels, reporting to Mr. Brown, was delegated to **Mr. F. H. Webbink** — Maritime Operations (Halifax); **Mr. J. P. Lord** — Manitoba Operations (Winnipeg); **Mr. P. S. Bazant** — Alberta Operations (Calgary); and in an acting capacity, **Mr. L. E. Edgley** — British Columbia Operations (Vancouver).

. . . **Mr. G. H. Schuett** has been appointed Vice President Business Development, Western Canada, — and has moved to Company offices in Calgary, Alberta.

. . . Concurrent with Mr. G. C. Finlayson's request for an extended leave of absence, Mr. Bigelow announced the appointment of **Mr. M. T. Gyi** as Corporate Controller and Assistant Treasurer and of **Mr. S. Keating** as Controller, Construction Operations as of January 15, 1976.

. . . Mr. P. G. Opler, Vice President, advised that **Mr. Sven Ericson** from the Swedish firm of Skanska Cementgjuteriet, has arrived in Canada for an assignment of approximately two years to investigate and promote certain specialized projects on behalf of a Joint Venture of Foundation and Skanska, primarily involving the underground storage of oil in unlined rock caverns.

Skanska, one of the largest contractors in Europe, has been a pioneer in the underground storage of oil, hence Skanska's experience in this field is recognized both in Europe and in North America (Foundation and Skanska are well known to each other: the two firms are working together as members of a five nation consortium on the Majes Project in Peru, South America).

Mr. Ericson, a civil engineer with considerable experience in underground construction, is stationed at Foundation's head office in Toronto, and working in close co-ordination with Mr. A. R. Mackie, Manager of Operations — Foundation Construction Services Ltd.

. . . **Mr. John F. Masterson** was appointed Vice President of Les Aménagements Urbains de Hull Inc. effective January 1975, — assuming the responsibilities for completion of construction at the Place Radisson project and for developing and effecting a comprehensive leasing programme.

. . . and just before going to press, Mr. Gautrin announced that the Corporate Secretarial duties, which had been handled by **Miss J. M. Rousseau** since mid-1971, will become the responsibility of **Mrs. Marie-Louise P. Johnson**. A member of the Montreal Bar, Mrs. Johnson recently joined the Janin-Foundation Group after having practiced law in Montreal and lectured at the Law School of the University of Sherbrooke and of the University of Montreal.

Miss Rousseau expects to further develop and broaden her corporate secretarial and corporate legal expertise when joining Northern Telecom (formerly Northern Electric Company, Limited) in Montreal. Our appreciation and thanks to "Jeannine" as she became affectionately known throughout our organization, for being always knowledgeable and helpful.

A most sincere WELCOME to Mrs. Johnson, and our very best wishes to both ladies in their respective new positions.



## F. G. RUTLEY

To suitably commemorate completion of 85 years of a man's eventful, active and successful life is difficult, at best; to attempt this task in honour of Mr. F. G. Rutley, Honorary Chairman of the Board of Directors of the Company, is even more so.

Consequently, Mr. Gautrin elected to schedule a reception at the Harbour Castle Hotel in Toronto, on September 23, 1975: the list of invited guests read like a who's who in Foundation's history, including many of Mr. Rutley's colleagues and co-workers from years past and from many parts of Canada. Unfortunately, not too many of the Company's staff were on hand to remember the year 1913, when Mr. Rutley started his career with Foundation, as Engineer on the Magnetawan River Bridge job — a career interrupted only by military service during World War I.

On behalf of the Company, Mr. Masterson presented Mr. Rutley with a sterling tray, engraved with the signatures of members of the Board

of Directors of Canadian Foundation Company Ltd. — Mr. Finlayson presented an address of greetings on behalf of the Foundation 25-Year Club, — which organization was started through Mr. Rutley's efforts in 1942.

Mr. Rutley was understandably surprised and moved by this formidable 're-union'.

'Foundation Bulletin' editorial staff respectfully add their very best and sincere wishes and greetings to Mr. Rutley.



*Mr. Rutley in the company of (l. to r.) Messrs. J. S. Deacon, F. R. Hume, K. Rutley, H. F. Gautrin, W. Grand, and J. Grand.*







## FOUNDATION 25-YEAR CLUB

As has been the custom for many years now, the annual meeting and dinner of the 25-Year Club was held on November 21, 1975 at the Mount Stephen Club in Montreal and at the Westbury Hotel in Toronto.

This year, the names of five staff members had been submitted as eligible for admission to the distinguished circle of long-service personnel: Per F. Anderson, Murray C. Douglas, Stafford L. Hill, Hans R. Kivisild, and Arne J. Maki.

With an attendance of twenty-four members in Montreal and twenty members in Toronto, and counting twenty-three absentees, the Club now has a roster of sixty-seven members.

At the suggestion of Mr. F. G. Rutley, Mr. Gautrin announced that Mr. John F. Masterson had been asked to and has accepted the nomination to take over as President of the 25-Year Club. Mr. Rutley had been asked to be relieved of these duties due to age and limited 'mobility'. Concurrent with Mr. Masterson's appointment, Mr. Rutley was named Honorary Chairman of the Club. Mr. Masterson has expressed that he deemed this nomination a great honour, and that he will do his utmost to carry on in the established tradition.

It is with deep regret that we advise of the death of **Arthur S. Amiro** on November 27, 1975, in Halifax, N.S.; **William Racine** on August 19, 1975 in Cowansville, Quebec; (\*) **Raymond M. Squires** on May 24, 1975 in St. John's Newfoundland; **August H. (Gus) Winterhalf** on August 28, 1975 in Cambridge, Ontario. (\*)

(\*25-Year Club Member)



*In Montreal: (seated, l. to r.) ... F.R. Groundwater, Arne J. Maki (new member), F.G. Rutley (Club President), J.F. Masterson (Montreal Chairman).*

*(2nd row, l. to r.) ... Carl Ireland, J.A. Dumont, Sarah Silver, Violet MacDonald, A.A. Fuller, Eleanor O'Halloran, E.C. Penney, Muriel Dickson, A.G. Sullivan, J.R. Poirier.*

*(back row, l. to r.) ... J.I. Rupnik, P.E. Montreuil, W. Dextras, J.B. Verret, D.R. Hambleton, H.C. Link, J.G. Johnson, J.E. Lalonde, P.E. Dubreuil.*

*(U. Filiatrault missed the picture, due to late arrival)*

*Unable to attend: R. Featherstone, W. Chevrier, A.E. McDonald, G.E. Eklund, T. Nolan, H.P. Boyle, G.R. Morgan, F.A. McNamara, R. de Repentigny, T.E. Kelly, J.R. Tremblay, R.W. Bolton, N.S. Novikoff, A. Gosselin, R.E. Romer.*

*In Toronto: (seated, l. to r.) ... G.A. White, H.R. Kivisild (new member), R.F. Andersen (new member), Vi Lewis, M.C. Douglas (new member), S.L. Hill (new member), H.W.H. Casperd, J.N. Galli (Toronto Chairman).*

*(standing, l. to r.) ... J.E. Landry, J.G. Reid, F.R. Hynes, E.N.L. Chadwick, D.F. McLean, G.C. Finlayson, E.R. Renouf, A.W. Roseborough, A.E. Colenutt, D.F. Murphy, J.E. Gain, J.T. Lang.*

*Unable to attend: Frances Thomson, R.J. Griesbach, A. Zeleny, Eve McMurray, R.J. Morse, A.S. Lindgren, G.A. MacDonald, R.E. Austin.*







## THE FOUNDATION GROUP

### CANADIAN FOUNDATION COMPANY LTD.

The Foundation Company of Canada Limited  
Foundation Construction Services Ltd.  
Foundation International Ltd.  
A.D. Ross & Company Limited  
The Foundation Company of Ontario Limited  
La Compagnie Foundation Limitée  
Foundation Overseas Ltd.  
Frontier Construction Company, Inc.  
Atlantic Tug and Equipment Company  
NORTHCAN Engineering & Management Ltd.

#### THE FOUNDATION COMPANY OF CANADA LIMITED

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cable: "Foundation" telex: 02-2814

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telex: 02-2814

Ottawa, Ontario, K1P 5G4, 130 Albert Street  
Suite 910, 613-232-3511

##### ENGINEERING CONSTRUCTION DIVISION

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Montreal, P.Q., H3Z 1T3, 4999 St. Catherine St. W., 514-482-9930  
telex: 01-20733

##### FOUNDATION MARITIME DIVISION

Halifax, N.S., B3J 2N7, 1549 Lower Water St., 902-429-9341  
telex: 019-21845

##### FOUNDATION WESTERN

##### BRITISH COLUMBIA DISTRICT

Vancouver, B.C. V5T 2C5, 295 East 11th Ave., 604-879-9461  
telex: 04-53327

##### ALBERTA DISTRICT

Calgary, Alta., T2N 2A1, 625—14th St. N.W., 403-283-0783  
telex: 038-22713

Edmonton, Alta. T6E 4N6, 9731—51st Ave., 403-436-2830  
telex: 037-2176

##### MANITOBA DISTRICT

Winnipeg, Man., R3H 0N5, 950 Bradford St., 204-775-8038  
telex: 07-587573

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#### FOUNDATION CONSTRUCTION SERVICES LTD.

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telex: 02-2814

#### FOUNDATION DEVELOPMENTS

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#### CONSTRUCTION EQUIPMENT COMPANY

Bramalea, Ont., L6T 3W4, 1075 Clark Blvd., 416-791-1556  
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Montreal (Dorval), P.Q., H9P 1H1, 2060—55th Ave., 514-631-4013  
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Edmonton, Alta., T6E 4N6, 8023 Wagner Rd., 403-465-5417  
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Halifax, N.S., B3J 2N7, 1549 Lower Water St., 902-429-9341  
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Richmond, B.C., 301 Viking Way, Ste. 204, 604-273-2991  
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#### ATLANTIC TUG AND EQUIPMENT COMPANY

Buffalo, N.Y., 14224, 1701 Union Road, 716-674-1111

#### NORTHCAN ENGINEERING & MANAGEMENT LTD.

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telex: 038-24639

Calgary, Alta., T2P 2W4, P.O. Box 9086, Bow Valley Square  
205—5th Ave. S. W., 403-261-6820  
telex: 03-825835